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THESIS

RANDOMIZATION AND ALTERNATIVE TESTS

by

Christopher C. Whitehead

December 1986

Thesis Advisor:

Donald R. Barr

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Randomization and Alternative Tests

by

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ABSTRACT

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I. INTRODUCTION

In experimentation and data analysis two major assumptions often required for hypothesis testing and estimation are (a) random sampling, and (b) assumptions about the distributional form of the population from which the data were sampled. If one assumes random sampling from a population which is of a certain parametric form (e.g., normal) then statistical inferences can be drawn using parametric analysis (e.g., the t test). On the other if one assumes random sampling without making parametric assumptions about the underlying population. then nonparametric statistical tests can be used (e.g., the sign These assumptions may not be valid in many practical experimental and data analysis situations. making the associated statistical tests of questionable validity.

Randomization tests are statistical tests of significance that do not require random sampling or parametric distributional characteristics. In 1935, F. A. Fisher first demonstrated the use of randomization tests in an experiment involving "sensory discrimination" between two treatments [Ref. 1]. The experiment was described as follows:

A lady declares that by tasting a cup of tea made with milk she can discriminate whether the milk or the tea infusion was first added to the cup . . . Our experiment consists of mixing eight cups of tea, four in one way and

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four in the other, and presenting them to the subject for judgement in a random order... Her task is to divide the 8 cups into two sets of 4, agreeing, if possible, with the treatments received. [Fef. 1]

Given 70 ways of choosing a group of 4 objects from 8. Fisher argued that, since the cups were presented random order, each of the 70 ways could be chosen by mere chance with a probability of 1770. He then supposed observed outcome of I right and 1 wrong. Based on the limits of a null hypothesis that the subject possesses sensory discrimination as claimed. Fisher noted that the 'observed' putcome could have occurred in 15 of the possible 70 ways and that a better result. 4 right, could have occurred in one additional way. Fisher therefore concluded that the significance of the supposed outcome was 17/70. [Ref. 1]

Since Fisher's demonstration of their practical uses, randomization tests have been applied in a variety of statistical contexts. These applications include samong others) the two sample comparison of means, analysis of variance, analysis of covariance, tests for correlation, tests for trend, and regression analysis [Ref. 2:pp. 327-734]. In general, randomization test procedures involve (a) repeatedly dividing or permuting the experimental data (and for this reason randomization tests are sometimes referred to as permutation tests). (b) computing a test statistic for each division or permutation, and (c) comparing the observed experimental test statistic to the

test statistics obtained from the permuted data [Ref. 3:p. 1]. Since these procedures involve repeatedly dividing or permuting the data, they typically require a significant amount of calculations for even relatively small sample sizes. Consequently, practical applications of randomization tests have met with opposition [Ref. 4:p. 89]. Furthermore, randomization tests are either neglected entirely or receive only cursory attention in many statistics textbooks.

The purpose of this thesis is to review the general conditions under which randomization tests may be employed. to illustrate why the opposition to using randomization tests may be well founded, and to identify alternatives or approximations which may be used in lieu of randomization tests. Specific randomization test procedures are examined for the case of the two sample comparison of means and one-way analysis of variance. For each, Monte Carlo simulations are used in an effort to examine (under selected conditions) the size, power, and robustness of randomization tests as compared to other tests of significance which have historically been used in these situations. In this thesis, power will be referred to as a tests ability to detect false null hypothesis. Also, robustness will be referred to as a test's ability to correctly identify a true null hypothesis under changes in sample sizes, sampled distributions, and sampled distribution parameters.

II. PRACTICAL APPLICABILITY OF FANDOMIZATION TESTS

A. DISCUSSION

In performing randomization tests, the significance level is derived from a comparison of the calculated test statistic with the test statistics obtained from repeated permutations of the data. Therefore, these tests do not depend on parametric distributional characteristics of the observed data and are considered distribution-free Like other tests of significance, they require certain assumptions and a priori criteria before valid statistical inferences can be made about the populations from which the emperimental data were sampled. The purpose of this chapter is to discuss these assumptions and to compare them with those required for other tests of significance. We comment on the opposition to using randomization tests. followed by a look at alternatives or approximations historically used in lieu of randomization tests.

E. RANDOM VS. RANDOMIZED SAMPLES

Edgington and Strain [Sef. 4:p. 90] have argued that randomization tests are the only valid statistical tests when randomized samples have been obtained. To gain an understanding of the difference between random sampling and randomized samples, recall that a random sample is a "sequence of a independent and identically distributed

random variables X1, X2, . . . , Xn." [Ref. 2:p. 52] In practice, data are drawn from a population using some formal method, such as rolling a die, drawing numbers from a table of random numbers, or calling a computer random number generator. For finite populations, random sampling theory requires that each member of the population must have been equally likely to have been chosen in the sample [Ref. 2:p. 62].

When experimental subjects are not randomly selected but are randomly assigned to treatments, then the observed experimental data represent randomized samples. In this case, parametric tests based on random-sampling models are not valid [Ref. 4:p. 89]. The validity of randomization tests under the assumption of randomized samples can illustrated by examining the general procedures. previously described, the level of significance obtained randomization tests is found by comparing the observed test statistic to the test statistics obtained from the permuted For example, in Fisher's experiment, the data. test statistic was the number of correct responses. The 'observed test statistic' (3 right) was the test statistic derived from the supposed experimental outcome. 3 right 1 wrong. This observed test statistic was compared against all possible ways in which correct responses could have occurred - 0 right in 1 way. 1 right in 16 ways. 2 right in 36 ways. 3 right in 16 ways, and 4 right in 1 way. The test

statistics derived from the permuted data constitute a discrete distribution (sometimes called the reference or randomization distribution [Ref. 5:pp. 94-97]) from which the significance level may be obtained. The permuted data constitute a discrete sample space of which the experimental outcome is a member. If subjects were randomly assigned to treatments, then the observed experimental outcome is equally likely to have been any member of this sample space. Thus, the requirements of random sampling theory are indirectly satisfied and valid statistical inferences can be made.

In many practical experimental situations it may impossible to select random samples from a given population about which statistical inferences are to be made. In this case randomized samples may be a viable alternative and randomization tests may be applied. For example, consider an experiment in which it is desired to test whether average course grade given by Professor A is greater the average course grade gi ven ÞΥ Professor B. Theoretically, if random samples are to be taken. populations from which the samples must be randomly selected are all the students who have taken and completed courses together with all those students who will take and complete the two professors' courses. Random sampling from these populations is infeasible and a statistical test which assumes random samples may be invalid. However, the method

of randomized samples could be used. In this case, a group of students could be selected (not necessarily at random) and randomly assigned to take either of the two courses. The observations obtained from the experiment represent a randomized sample and a randomization test could be used to make statistical inferences about the average course grades.

C. A PRIORI CRITERIA

As in other tests of significance, when performing randomization tests the hypotheses and a test statistic applicable to the hypotheses must be chosen a priori. Furthermore, if a decision to either accept (or fail to reject) or reject the null hypothesis is to be made, then the commonly used Neyman-Pearson procedure for hypothesis testing (involving Type I and II error rates) requires selection a priori of the significance level (e.g., .05). [Ref. 6]

D. OBJECTION TO USING RANDOMIZATION TESTS

The major objection to using randomization tests in their early development was the number of calculations required to perform them [Ref. 4:o. 89]. Randomization test procedures require that the observed data be repeatedly divided or permuted, and that a test statistic be computed for each division or permutation. Then clearly, the number of calculations required in performing a randomization test is directly proportional to the number of divisions or

permutations. Since permutations (actually combinations) are involved, then the number of calculations required to perform a randomization test increases very rapidly for even small sample sizes.

For example, consider the 'average course experiment above. An appropriate test statistic for the comparison of two treatment means is the arithmetic difference in means. Suppose that 10 students are selected (again, not necessarily at random) and randomly assigned to the two professors' classes. Assume further that 5 students are assigned to Professor A's class and 5 to Professor class, and that at the conclusion of the class period. a set of grades is observed. From the observed grades. difference in means is computed. This difference serves the observed test statistic. In this experiment (as in Fisher's emperiment), determining the significance of the observed test statistic requires determining test statistics for each way in which the observed grades could have occurred. This involves the number of ways in which 10 objects can be assigned 5 at a time which is 101/5151 or 252 ways. For each of these 252 ways, a test statistic difference in means) is computed. Although this may not seem to be a significant number of computations. consider cases where the sample sizes increase. For two groups of 10 students each, the computations become 201/10/10/ Which is 194.752. For two groups of 20 each, the result 15 approximately 1.78:10%% difference in means computations.

As the above numerical examples illustrate, the number of combinations and the subsequent calculations which may be required in performing randomization tests increases rapidly with increases in sample size. With today's speed computers, the above example calculations seem less formidable. However, compared with other parametric nonparametric tests, the computer time and costs required to perform randomization tests continue to have some impact on their use in practical applications. For example, for even an extremely fast computer, the last result obtained (1.38×10¹¹) could well represent a substantial amount computer time and costs. Therefore, the objection to using randomization tests for even moderately sized remains, and, depending on the specific circumstances, use of other tests of significance may well be practical alternatives as approximations to randomization tests. no. such alternative suggested by Dwass [Ref. 7] is the use of approximate randomization tests.

E. APPROXIMATE RANDOMIZATION TESTS

Approximate randomization tests are randomization tests in which the significance level is determined from a subset of the test statistics making up the reference distribution. That is, randomly selected permutations of the data are obtained and test statistics are computed for these permutations only. The test statistics which result from these randomly selected permutations make up an approximate

randomization distribution from which level af significance can be obtained. For example. instead of computing all 1.38×10** difference in means above. considerably smaller number of randomly selected permutations, say 1000, could be obtained and difference means computations made for these randomly selected permutations only. Then, a significance level could be determined using these 1000 test statistics rather than all 1.38×10** statistics.

Since the significance level obtained by this method based on a subset of the reference distribution. it is approximation to the significance level which could obtained using the entire reference distribution. Edgington [Ref. 3] showed that for a random sample of size 1000 arbitrary choice but probably based on research by Dwass [Ref. 7]), an approximate randomization test would result in the assignment of a significance level of no greater than .065 with probability .95 when the exact randomization test would result in a .05 significance level. Furthermore. research by Edgington and Strain [Ref. 4] demonstrated that considerable savings in computer time and costs could realized using a 1000 sample approximation rather than emact randomization test. The conclusions reached by these two studies indicate that although the significance level alternative method still obtained by this approximation to the significance level that could be obtained by using the entire randomization distribution. it is a viable alternative to the randomization test when the randomization test may be impractical due to excessive computer time and costs.

III. TWO SAMPLE COMPARISON OF MEANS

A. DISCUSSION

The purpose of this chapter is to detail specific randomization test procedures applicable to the two sample comparison of means. Included are a discussion of the method of permuting the data and appropriate test statistics which can be used. The method of comparing the observed test statistic to the test statistics obtained from the permuted data to arrive at a level of significance is also Additionally, specific alternatives discussed. identified and the specific simulation methodology used in examining significance levels obtained from the randomization test and alternative tests is described. Lastly, an analysis of the results of the simulation is included.

B. SPECIFIC PANDOMIZATION TEST PROCEDURES

Specific procedures applicable to randomization tests for the two sample comparison of means require:

- 1. A specific method of permuting the data.
- 2. A selection of an appropriate test statistic.
- A specific method of comparing the observed test statistic with the test statistics obtained from the permuted data.

Each of these specific procedures is detailed below along with an example.

1. Permuting the Data

In performing randomization tests for the two sample comparison of means, the observed data are permuted across each treatment so that all possible ways in which the data could have resulted are found. For example, suppose that an experiment is conducted in which there are two treatments (X and Y) and two experimental outcomes or observations per treatment ($x_1=1$, $x_2=4$, $y_4=2$, $y_{2}=3$). The observed data are permuted across each treatment as given in Table 1.

TABLE 1
TWO SAMPLE EXAMPLE DATA PERMUTATIONS

<u>Permutation</u>	Samp	le X	Samp	le Y
1	1	4	2	3
2	1	ż	4	3
3	1	3	4	2
4	4	2	1	3
5	4	3	1	2
6	2	3	1	4

These permutations represent all possible ways in which the data could have been observed. Note that the observed statistic is the first permutation. In general, the number of permutations (actually combinations) required by this method is given by:

A previous example illustrated the computational consequences of Eqn. 1 for randomization tests when ni and na are even moderately large.

2. Selecting an Appropriate Test Statistic

Unlike many other comparable significance tests. several appropriate test statistics are available for randomization tests of the two sample comparison of means. Furthermore, for a given hypothesis test, certain test statistics are referred to as equivalent test statistics because they are functions of one another [Ref. Z:p. 441. For a one-tailed hypothesis test of the two sample comparison of means, examples of equivalent test statistics are (a) the sum of the observations of the treatment with the suspected larger mean. (b) the arithmetic difference in the means, and (c) the t statistic. Use of each of these equivalent test statistics results in the same randomization test. For example, Table 2 is an extension of Table 1 and lists each of the equivalent test statistics for each of the data permutations from the previous example. For these test statistics, an ordering of the values corresponds to an identical ordering of each of the other test statistics. Thus, any comparisons made between the observed statistic to the test statistics obtained from the permuted data would result in the same significance value. Therefore, for the one-tailed hypothesis test given in this erample, each of these test statistics would be considered appropriate.

TABLE 2

TWO SAMPLE EXAMPLE DATA TEST STATISTICS

Permutation Sample		le X	Samp	le Y	ΣX	<u> </u>	<u>+</u>	
1	1	4	2	3	5	0.0	0.0	
$\bar{2}$	1	2	4	3	3	-2.0	-2.8	
3	1	3	4	2	4	-1.0	-0.7	
4	4	2	1	3	5	1.0	0.7	
5	4	3	1	2	7	2.0	2.8	
6	2	7	1	4	5	0.0	0.0	

For the two-tailed hypothesis test, equivalent test statistics are (a) the absolute value of the arithmetic difference in means, and (b) the absolute value of the t test statistic [Ref. 3:pp. 43-44].

Although equivalent test statistics will provide the same significance level, computational savings can be made by using the statistic which requires the least amount of calculations. In the case of the one-tailed test, use of the sum of the observations of the treatment with the suspected larger mean requires minimal calculations. For the two-tailed test, the absolute value of the arithmetic difference in means could be used.

3. Method of Comparison

Using the test statistics given above, for a one-tailed alternate hypothesis which states that the mean of sample X is greater than the mean of sample Y, the significance level is obtained by numerically determining

the proportion of test statistics obtained from the permuted data which are greater than or equal to the observed statistic. Likewise, when the alternate hypothesis states that the mean of sample Y is less than the mean of sample Y, then the significance level is the proportion of test statistics less than the observed statistic. For the two-tailed equivalent test statistics given above, the significance level can be determined from the proportion of statistics greater than or equal to the observed statistic.

The following illustrates this method of comparison. Given the permutations of the data in Table 1 and the test statistics in Table 2. suppose further that it is desired to conduct a one-tailed hypothesis test. the ! p+ nul! hypothesis state that the mean of sample X is less than equal to the mean of sample Y and the alternate hypothesis state that the mean of sample Y is greater than the mean sample Y. For these hypotheses, the comparison used determining the randomization test significance level is the proportion of the test statistics obtained from a11 permutations of the data (including the observed data) which are greater than or equal to the observed test statistic. As given in Table 2, this proportion is 4 s for each of the

^{*}In an example given by Box. Hunter. and Hunter [Fef. 5:pp. 94-95], the significance level was incorrectly (or inadvertently) reported as the proportion of those statistics greater than the observed statistic as opposed to the more correct statement greater than on equal to.

test statistics. Therefore, the resulting randomization test significance level is 4/6 or approximately .67.

C. SIMULATION AND ANALYSIS OF RESULTS

To compare the robustness and power of the two sample comparison of means randomization test against alternative tests. Monte Carlo simulation was used. The simulation consisted of generating random samples under selected conditions and determining each test's significance level based on the generated samples. For each condition. iterations were used in developing averages, and variances of the significance levels. Conditions under which samples were generated included changes in (a) sample sizes, and (b) sampled distributions. Significance levels were determined based on the hypotheses Ho: the mean of treatment 1 is less than or equal to the mean of treatment 2, and Hi: the mean of treatment 1 is greater than the mean of treatment 2. The alternative tests incorporated in the simulation included the parametric t test [Ref. 5:pp. 95-96], the nonparametric Mann-Whitney test [Ref. 2:pp. 215-223], and the approximate randomization test. For the approximate randomization test, sampling with replacement was accomplished. In addition to the robustness and power of the randomization test, simulation was used in examining the performance of approximate randomization test over changes in the sample the approximate randomization distribution. size of Specific conditions under which each portion of

simulation was performed together with an analysis of the simulation results follow.

1. Changes in Sample Sizes

To compare the performance of each of the significance tests for changes in sample sizes, the sample sizes, hi and he, were varied over (hi,he) = (2.1), (2.2), (3.1), (3.2), ..., (7.4), (7.5), (7.6), (7.7). For each case, each sample was formed from individually generated N(0.1) random deviates. For the approximate randomization test, the sample size of the approximate randomization distribution was held constant at 1000. The averages and variances of the resulting significance levels appear in Appendix A. An analysis of the significance levels obtained on each iteration of the simulation as well as the above mentioned averages and variances follows.

Since the above cases were performed for a true null hypothesis, we expected the distribution of the significance levels to be consistent with uniformly distributed data. That is, if random samples were generated under a true null hypothesis, then significance levels calculated from these samples should exhibit a U(0.1) distributional form. As shown in Figure 1, the averages and variances obtained for each case were consistent with this expectation. Exceptions occurred for the extremely small sample sizes as might be anticipated. In this figure as well as in later figures, 'R' represents the significance levels obtained from the

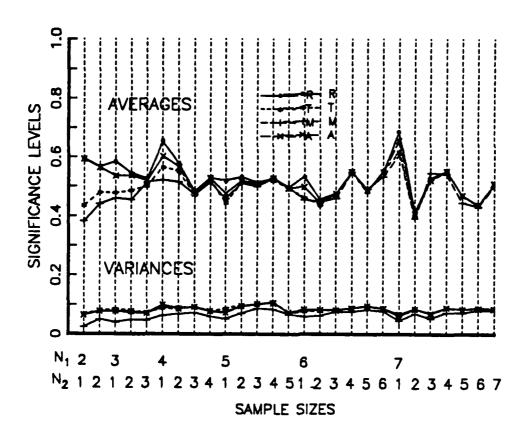


Figure 1. Two Sample Changes in Sample Sizes

randomization test. 'T' from the t test. 'M' from the Mann-Whitney test. and 'A' from the approximate randomization test. Overall, this figure illustrates little significant differences in the values obtained except as noted above.

An examination of the histograms for each condition under which the null hypothesis was true also showed distributions of the significance levels as expected. As an example, Figure 2 gives histograms of the significance

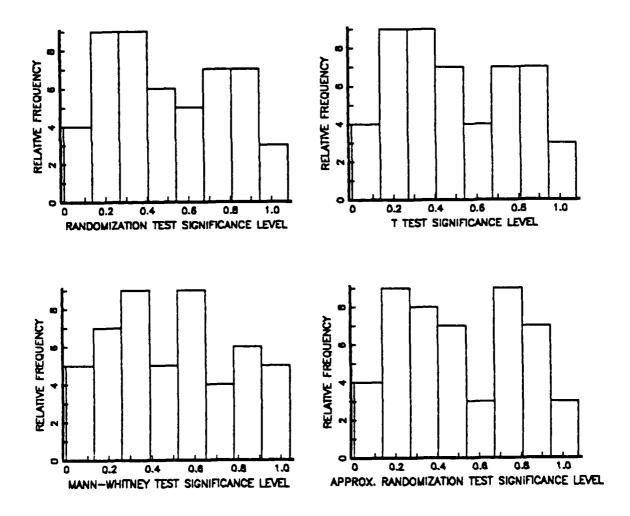


Figure 2. Two Sample Histograms for N(0,1) Samples

levels obtained for each of the two sample comparison means tests for the case $(n_1,n_2) = (7,7)$ and N(0,1)random For the hypothesis that these significance are indicative of U(0,1)distributions. Kolmogorov-Smirnov uniform goodness of fit test significance levels in Table 3. Table 3 do not indicate disagreement with expected results.

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TABLE 3

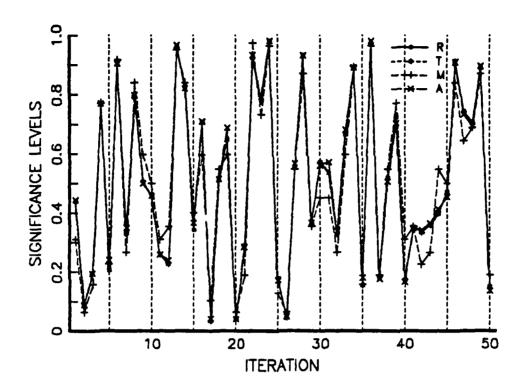
TWO SAMPLE UNIFORM GOODNESS OF FIT TESTS

Test	Kalmagarav-Smirnav Significance
randomization	0.94
t test	ಂ. 86
Mann-Whitney	0.70
approximate randomization	o.86

In addition to their overall distributional form. the sionificance levels compared were on an iteration-by-iteration basis. The purpose of this was to compare the marginal performance of each test, that 15. to compare the performance of each test for each samples. Figure 3 shows the significance levels obtained over 50 iterations for the case $(n_1,n_2) = (7,7)$ and N(0,1)random samples and is typical of the others examined. The significance of this plot is the proximity of each of the significance levels. Only the nonparametric test appears to vary marginally from the other tests and this was found to be true in all runs.

2. Changes in Sampled Distributions

To compare each tests' performance under changes of sampled distributions, the sampled distributions and the distribution parameters were varied for the sample sizes $(n_1,n_2) = (7.5)$, (7.6), (7.7). Continuous distributions from which samples were generated included the normal,



exponential, uniform, gamma, weibull, beta, and chi-square distributions. Discrete distributions included poisson, binomial, and geometric distributions. Once again the sample size of the approximate randomization distribution was held constant at 1000. The averages and variances of the significance levels obtained from this series of runs

Two Sample Significance Levels by Iteration

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Figure 4 shows the average significance levels obtained for the three sample sizes under changes in the mean and variance of random deviates from a normal distribution when Ho was true. Again there is little significant difference in the average significance levels.

appear in Appendix B.

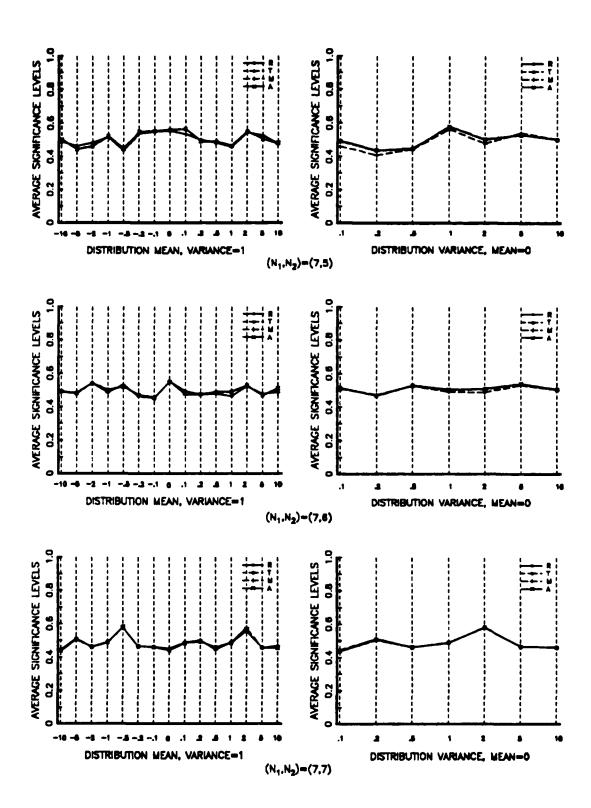


Figure 4. Two Sample Concurrent Changes in Normal Distributions

Consequently, it is difficult to distinguish from these plots (as in many of the plots to follow) the different values obtained for each test. Similar plots were obtained for all the continuous distributions examined. Figure 5 shows these plots for the cases $(n_1,n_2)=(7.7)$. Note again the variation from the other significance levels in the averages and variances obtained by the Mann-Whitney test. Figure 5 also shows little significant difference in the averages and variances obtained from the randomization test. tiest, and approximate randomization test. Furthermore, although this series of runs included cases for $(n_1,n_2)=(7.5)$, (7.6), and (7.7), plots for (7.5) and (7.6) were nearly identical to those obtained for (7.7) and contained no additional information. Therefore, they are not shown.

To examine significance levels obtained under a false null hypothesis, a series of runs was conducted in which the distribution from which sample 1 was obtained was varied while the distribution from which sample 2 was formed was held constant. This examination included cases for the three sample sizes noted above given random samples from the above distributions.

Figure 6 shows the significance levels obtained for the three sample sizes when the two samples were generated from normal distributions. In these cases, the means and variances of sample 1's distribution were varied while sample 2 consisted of N(0.1) random deviates. Indicative of

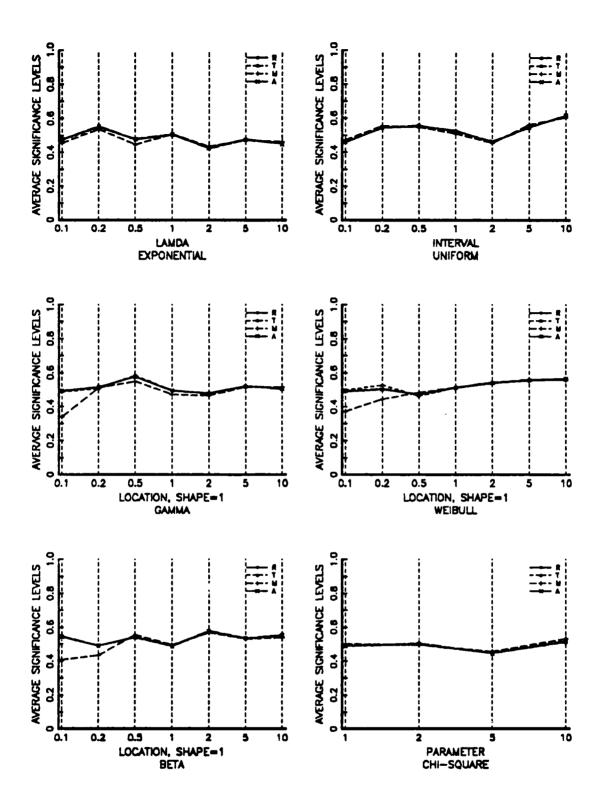


Figure 5. Two Sample Concurrent Changes in Continuous Distributions

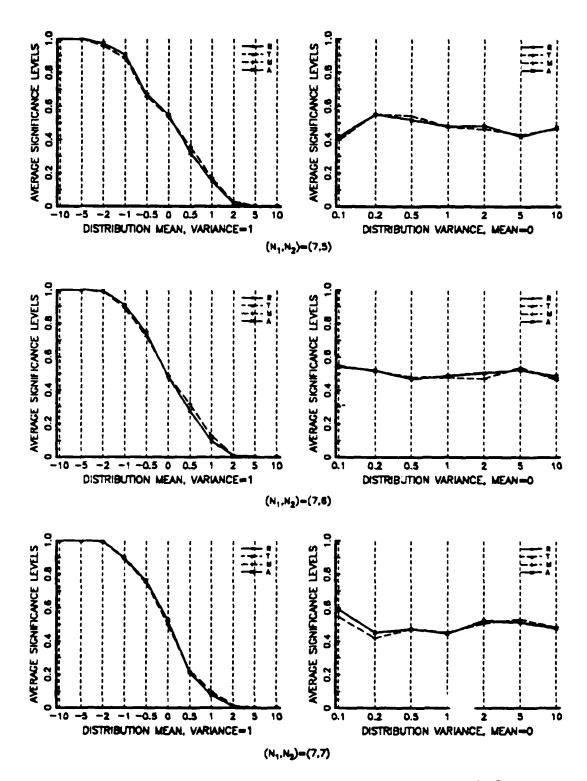
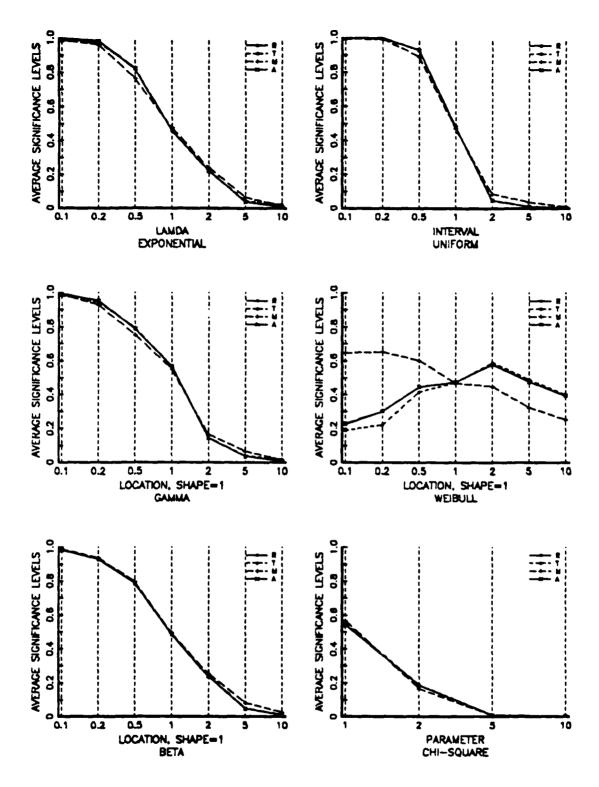


Figure 6. Two Sample Normal Distributional Changes

power. Figure 6 demonstrates little difference in each test's ability to detect a false null hypothesis. Figure 6 also illustrates that the tests are uneffected by changes in variance and further illustrates the nearly identical ability of each test to detect a true null hypothesis. Additionally, Figure 6 demonstrates that under changes in distributions, the averages and variances of the significance levels were not significantly different for equal or unequal sample sizes.

Aside from normal deviates, the significance levels obtained for samples from the other continuous distributions are shown in Figure 7. The plots shown are for the cases $(n_1,n_2)=(7,7)$ and are nearly identical to those obtained for the other two sample sizes. The sample distribution of sample 2 was held fixed as Uniform(0,1). Gamma(1,1), Weibull(1,1). Beta(1,1), and Chi-square(1) for each of the respective distributional changes. Furthermore, Figure 7 shows only changes in the location parameter of the gamma, weibull, and beta distributions. Changes in the shape parameters of these distributions resulted in plots similar to those obtained when the variance of the normal distribution was varied and are not shown.

Figure 7 further demonstrates the robustness and power of the randomization test compared to the other tests and shows that for nearly all cases, the results are almost identical. However, as also shown in Figure 5, the



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Figure 7. Two Sample Continuous Distributional Changes

Mann-Whitney test does not appear to be as robust nor powerful as the other tests. This is indicated by + 50 consistently smaller values when Ho was true and the consistently larger values when Ho was false. Also. interesting phenomenon occurred when the sampled distribution was of the weibull form. In this case. opposed to the other cases examined, the Mann-Whitney test differed consideralbly from the other tests. Furthermore. the randomization, t. and approximate randomization tests were inefficient in identifying both a true null hypothesis for small location parameters and a false null hypothesis for larger parameters. No explanation could be found for this.

For the discrete distributions. larger differences in average significance levels were observed. Figure 8 displays the average values obtained for samples from binomial distributions for the cases (ni.n2) = (7.7). The figure shows the cases where the distribution parameters were varied concurrently for both samples (top and bottom left) and also when sample 1's distribution was varied while sample 2 was held fixed at Binomial(50..5) (top and bottom right). As shown, the Mann-Whitney test significance levels continue to vary from the other tests' significance levels.

For the cases $(n_1,n_2)\approx (7.7)$, Figure 9 shows the average significance levels obtained when samples were

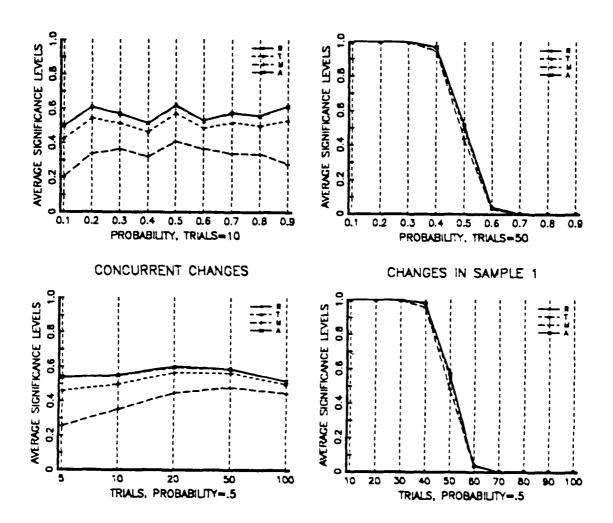


Figure 8. Two Sample Binomial Distributional Changes comprised DO1 5500 geometric random deviates. variations sampled distributions appear in the top and bottom left. top right plot shows significance levels when sample 2's distribution at Foisson(1) and sample bottom right plot shows sample 2's distribution was filed at Seometric(.5).

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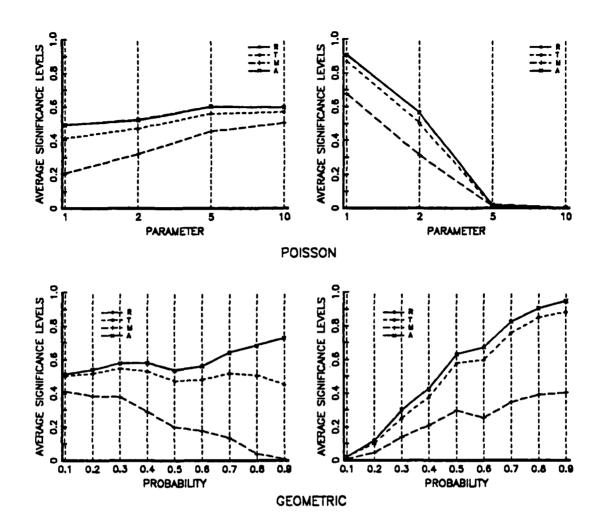


Figure 9. Two Sample Poisson and Geometric Distributional Changes

the Mann-Whitney average significance levels differ significantly from the other tests. Note, however, that the randomization and approximate randomization tests average significance values are consistently larger than those obtained via the t test.

J. <u>Changes in Approximate Fandomization Sample Size</u>

In the third series of runs, it was desired to examine the performance of the approximate randomization test with changes in the sample size of the approximate randomization distribution. Therefore, the third series of runs involved changes in the size, β , of the approximate randomization distribution over the values 200, 700, 1900, 2000. These changes in β were performed for the sample sizes $(n_1,n_2) = (7,7)$, (8,7), (9,7) composed of N(0,1) random deviates. The three different sample sizes were chosen so that the size of the reference distribution was larger than the approximate randomization sample size. The averages and variances of the significance levels obtained from these runs appear in Appendix C.

Figure 10 contains plots of the averages and variances of the significance levels obtained in the simulation for the three sample sizes. Figure 10 shows there is not much difference between the averages and variances of the significant levels for the selected changes in β .

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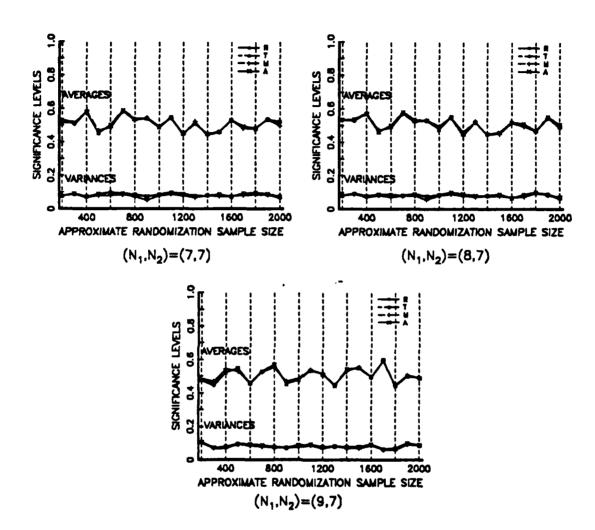


Figure 10. Two Sample Changes in Approximate Randomization Sample Size

IV. ONE-WAY ANALYSIS OF VARIANCE

A. DISCUSSION

The purpose of this chapter is to detail specific randomization test procedures applicable to the one-way analysis of variance. In conjunction with this, alternative tests are identified. Additionally, this chapter includes the specific simulation methodology used in examining significance levels obtained from each of these tests under specific test conditions. Included in the discussions of the methodology are analyses of the simulation results.

B. SPECIFIC RANDOMIZATION TEST PROCEDURES

The procedural requirements applicable to randomization tests for the one-way analysis of variance are identical to those of the two sample comparison of means. Each of these specific requirements is detailed below followed by an example.

1. Fermuting the Data

In performing randomization tests for the one-way analysis of variance, the observed data are permuted across each treatment as in the two sample comparison of means. However, in general, the number of required permutations (or combinations) is given by:

$$\frac{(n_1+n_2+...+n_k)!}{n_1!n_2!...n_k!} = \frac{n!}{n_1!n_2!...n_k!}$$
 (Eqn. 2)

In terms of randomization test computations. Eqn. 2 shows that the number of required calculations can be quite large. For example, for two sample sizes of size 5 each, the number of permutations given by Eqn. 1 and 2 is 252. For three samples of size 5 each, Eqn. 2 gives $(5+5+5)^{1/5}!5!5! = 756.756$ permutations and for four samples of size 5 each, the number of permutations given by Eqn. 2 is approximately 1.17×10.49. Therefore, for even small sample sizes, the computational consequences of using randomization tests for the analysis of variance are discouraging.

2. Selecting an Appropriate Test Statistic

In the one-way analysis of variance for testing Ho: the means of the treatments are equal, against Hi: at least two of the means are not equal, an appropriate test statistic is the F statistic. However, for the randomization test, an equivalent statistic which yields the same randomization test significance level is the value $\Sigma(T_1 / T_1)$ [Ref. 3:pp. 62-63]. Here, Ti is the sum of the observations in treatment i and ni is the number of observations in treatment i.

3. Method of Comparison

As given by the hypotheses for the analysis of variance, the significance level for these randomization tests is the proportion of test statistics derived from the permuted data which are greater than or equal to the observed statistic.

4. One-Way Analysis of Variance Example

The following example illustrates equivalent test statistics and the method of comparison for randomization tests of the one-way analysis of variance. To begin, consider the example given in the previous chapter detailing two sample comparison of means randomization tests. A typical analysis of variance table for the data given in that example is shown in Table 4. The permutations of the data and the two equivalent test statistics for each permutation are given in Table 5.

TABLE 4

EXAMPLE DATA ANOVA TABLE

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Square	F
Between Treatments	0.0	1	0.0	0.0
Within Treatments	5.0	2	2.5	
Total about the Grand Average	5.0	7		

As given in Table 5. the test statistic obtained from the observed experimental data is 0.0. Note that Table 5 also shows that for each test statistic, the proportion of the statistics obtained from the permutations of the data which are greater than or equal to the observed test statistic is 5/6. Therefore, the resulting randomization

TABLE 5

ANOVA EXAMPLE DATA TEST STATISTICS

Permutation	Sample	Y Samp	ole Y	F	I(I:2/n:)
1	1 4	2	3	0.0	25.0
2	1 2	4	Š	3.0	29.0
7	1 3	4	2	0.5	26.0
4	4 2	1	7	0.5	25.0
5	4 3	1	2	8.0	29.0
6	2 7	1	4	\circ . \circ	25.0

test significance level is 5/6 or 1.0. This is the same value which would have resulted if a two-tailed hypothesis would have been used in the two sample comparison of means. This is not surprising since the square of a t distributed random variable is F distributed.

C. SIMULATION AND ANALYSIS OF FESULTS

As in the two sample comparison of means. Monte Carlo simulation was used to compare the robustness and power of the randomization test against alternative tests. In this case, alternative tests included the parametric F test [Ref. 5:pp. 187-197], the nonparametric Eruskal-Wallis test [Ref. 2:pp. 229-237], and the approximate randomization test. Also as in the two sample comparison of means, conditions were selected for changes in (a) sample sizes, (b) sampled distributions, and (c) the sample size of the approximate randomization distribution. Additionally, the simulation incorporated sampling with replacement in developing the approximate randomization distribution.

1. Changes in Sample Eiges

To compare the effects of changes in the simulation was conducted for N(0.10 random samples $(n_1, n_2, n_3) = (2, 2, 2), (7, 7, 7),$ (4, 4, 4). (4.4.7). and significance levels obtained for Appendia D. Figure 11 is a plot of these values. significant differences between test results could be determined.

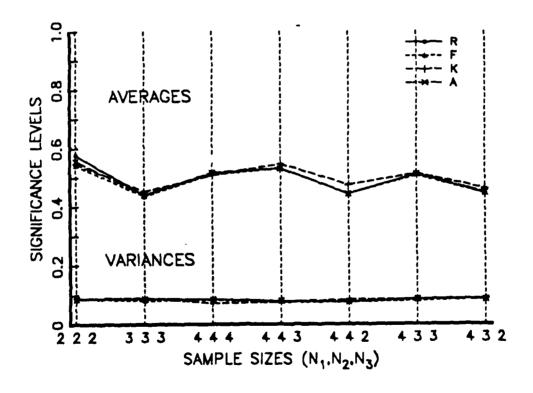


Figure 11. ANDVA Changes in Sample Sizes

Figure 12 shows histograms for the cases (n_1, n_2, n_3) = (4,4,4) when the null hypothesis was true and the sampled distributions were N(0.1). Table 5 shows the holmogorow-Smirnov uniform goodness of fit test significance levels. As anticipated, no disagreement with expected results was found.

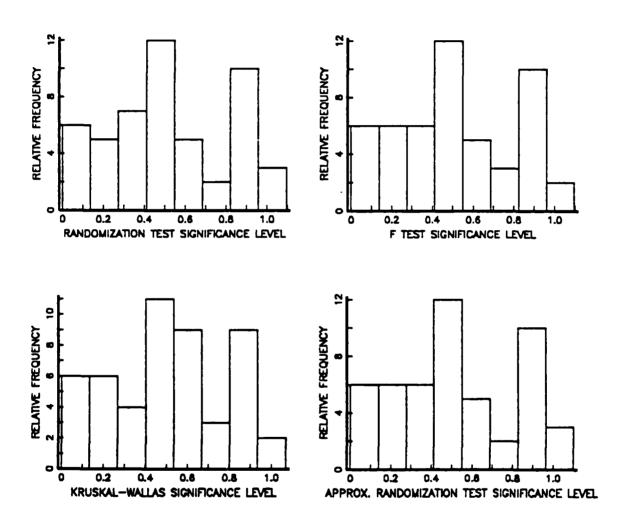


Figure 12. ANOVA Histograms for N(0.1) Samples

A plot of the significance values obtained for samples from N(0,1) distributions for the case (n_1,n_2,n_3)

TAPLE 5

ANDVA UNIFORM GOODNESS OF FIT TESTS

Test	holmogerby-Smirnov Significance
randomization	o. 55
F test	O.45
Kruskal-Wallis	0.47
approximate randomization	o.48

(4.4.4) is shown in Figure 17. Again, the marginal properties of the nonparametric test are considerably different from the other tests although the averages and variances of the significance levels are fairly consistent.

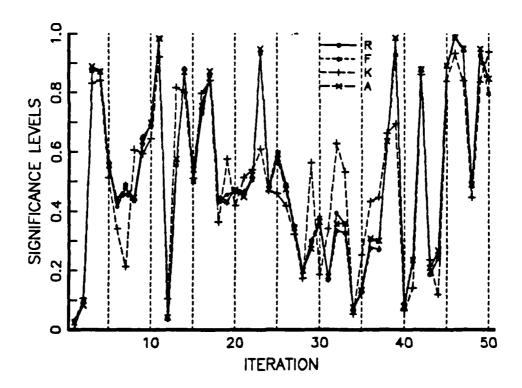


Figure 13. ANOVA Significance Levels by Iteration

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2. Changes in Sampled Distributions

To examine each tests' performance under changes of sampled distributions, the sampled distributions and the distribution parameters were varied for sample sizes $(n_1,n_2,n_3) = (2,2,2), (3,3,3), (4,3,2), (4,3,3), and (4,4,4).$ Distributions included the normal, exponential, uniform, gamma, and weibull distributions. The sample size for the approximate randomization distribution was fixed at 1000. The results of these runs appear in Appendix E.

Plots of the average significance levels for $(n_1,n_2,n_3)=(4,4,4)$, (7,7,7), and (2,2,2) and concurrent changes in normal distributions are shown in Figure 14. As in the two sample case, greater variability between test results is evident for the smaller sample sizes. Otherwise, no significant differences can be determined.

Figure 15 shows the average significance levels obtained for each test for $(n_1,n_2,n_3)=(4,4,4)$ and concurrent changes in the parameters of the continuous distributions — exponential, uniform, gamma, and weibull. For even the small sample sizes examined, the average significance values are in close agreement.

For each of the selected distributions, the parameters affecting the sampling distribution of sample 1 were varied while the parameters effecting sample 2 were held fixed. For normal distributions, Figure 16 shows the resulting average significance levels for changes in the

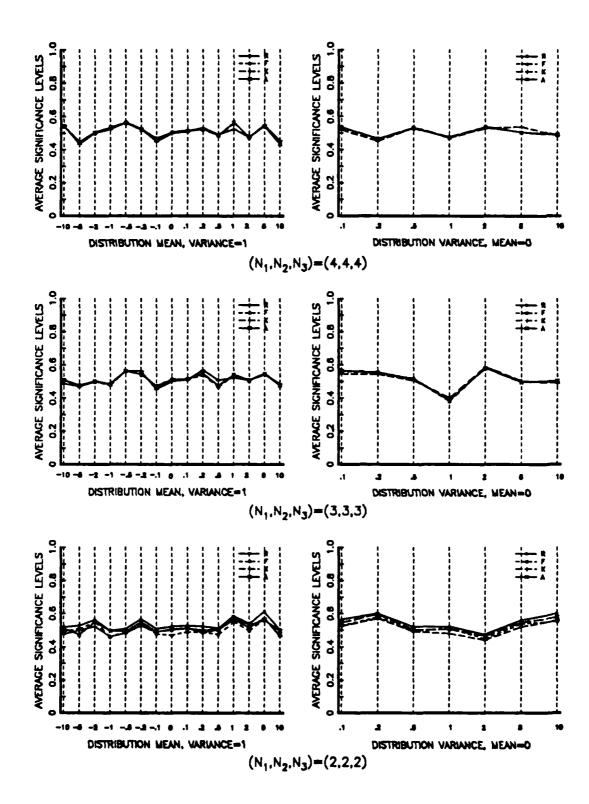


Figure 14. ANOVA Concurrent Changes in Normal Distributions

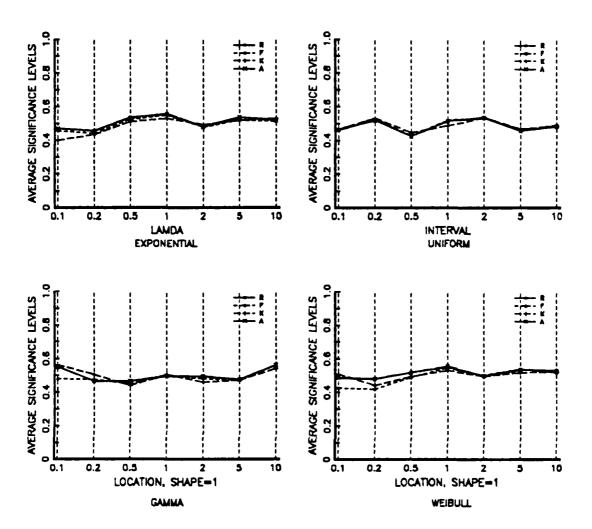


Figure 15. ANOVA Concurrent Changes in Continuous Distributions

For all cases. means and changes in the variances. sample 2 of N(0.1) composed random deviates. This figure little significant difference each continues to show significance levels except for extremely Figure 17 shows the simulation small sample sizes. for other selected distributions for the cases

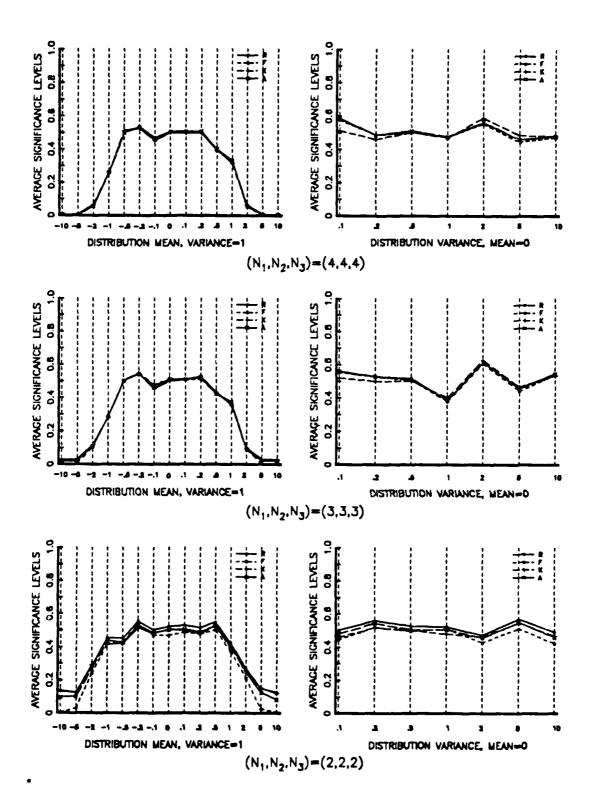
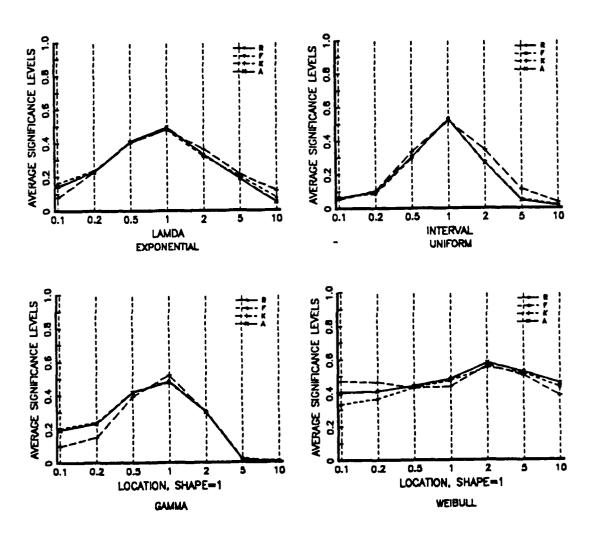


Figure 16. ANOVA Normal Distributional Changes

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Figure 17. ANOVA Continuous Distributional Changes

(ni.nz.ns) = (4,4,4). As previously, the nonparametric test average significance levels are consistently different. Furthermore, all the tests are inefficient in determining the significance levels when the sampled distributions is of a weibull form.

3. Changes in Approximate Randomization Sample Size

To examine the performance of the approximate randomization test for changes in $oldsymbol{eta}_{+}$ the sample size. $oldsymbol{eta}_{+}$ the approximate randomization distribution was -varied - over the set 200. Too. 1900. 2000 with changes in sample Size over $\{n_{1}, n_{2}, n_{3}\} = \{2, 2, 2\}, \{7, 7, 7\}, \{4, 4, 4\}, \{4, 4, 4\}\}$ (4,4,2), (4,7,3), and (4,3,2). The averages and variances of the significance levels for each test appear in Appendix F. Figure 18 contains plots of these values for the cases of equal sample sizes. Flots of the average values for the unequal sample sizes appear in Figure 19. As shown in these two figures, the differences in average significance. levels obtained for both exact randomization test and the approximate randomization test are nearly indistinguisable over the changes in B.

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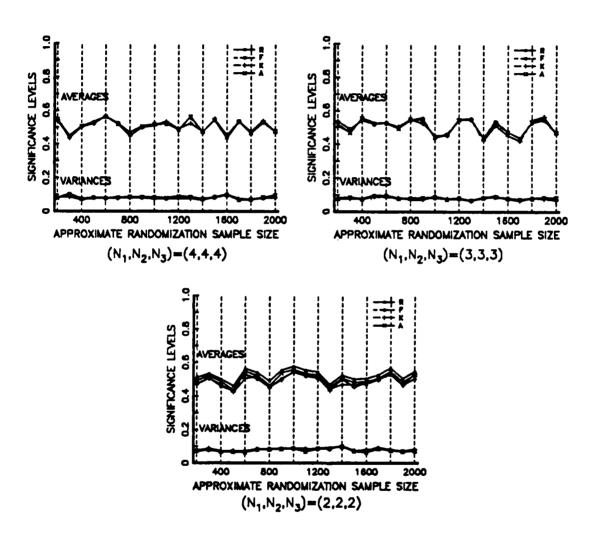


Figure 18. ANOVA Changes in Approximate Randomization Sample Size. Equal Data Sample Sizes

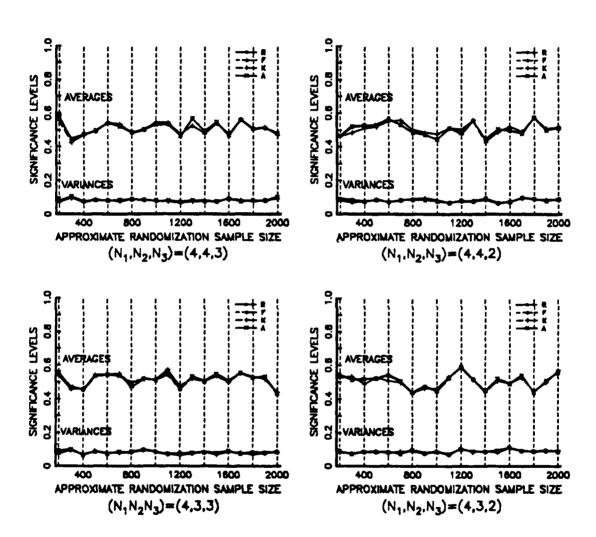


Figure 19. ANOVA Changes in Approximate Fundomization Sample Size. Unequal Data Sample Sizes

V. SUMMARY

A. CONCLUSIONS

For the two sample comparison of means and one-way analysis of variance, specific randomization test procedures have been detailed. For these two tests, results of Monte Carlo simulation indicate that over changes in sample sizes and sample distributions: (1) randomization tests are robust as t and F tests, and (2) randomization tests are as powerful as t and F tests. Furthermore. under the conditions examined, randomization tests were found to be more robust and powerful than other comparable nonparametric tests. An interesting result of the simulation was that although the average significance levels may be nearly identical, the iteration-by-iteration significance levels of the nonparametric tests tended to vary consistently from the other tests. This may indicate that use of these nonparametric tests could result in markedly different decisions on a test by test basis. Lastly, results of the simulation indicate that approximate randomization tests are good approximations to the more exact randomization tests over changes in sample sizes and distributions. as well changes in the sample size of the approximate randomization distribution.

It is clear from these findings that randomization tests and approximate randomization tests have better performance than other nonparametric tests in the contexts examined. Furthermore, the robustness and power of the approximate randomization tests, titests, and Fitests clearly mark them as excellent alternatives to randomization tests when randomization tests may be impractical.

B. AREAS FOR FURTHER RESEARCH

There are many practical applications where randomization tests may be the only truly valid tests, and yet, this thesis has shown that parametric alternatives can offer good approximations. Continued research should be accomplished in experimental design and data analysis situations not examined in this thesis. Some of these areas were given in the introduction. Furthermore, based on the apparent ability of approximate randomization tests to approximate randomization tests, the practical applicability of approximate randomization tests should be examined in other statistical contexts.

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APPENDIX A TWO SAMPLE CHANGES IN SAMPLE SIZES

NUMBER OF ITERATIONS: 50
SAMPLE DISTRIBUTIONS: N10,1)
APPROXIMATE RANDOMIZATION SAMPLE SIZE: 1000

	SA	MPLE	•							
	SI	ZES		AVER	AGES			VARIAN	CES	
CASE	1	2	R	T	M	A	R	τ	М	A
1	2	1	0.5933	0.4356	0.3820	0.5934	0.0648	0.0688	0.0252	0.0647
2		2	0.5667	0.4797	0.4417	0.5640	0.0782	0.0791	0.0495	0.0776
3	3	1	0.5850	0.4787	0.4602	0.5354	0.0781	0.0852	0.0397	0.0778
4		2	0.5440	0.4867	0.4563	0.5375	0.0731	0.0795	0.0488	0.0773
5		3	0.5280	0.5017	0.5168	0.5206	0.0709	0.0719	0.0476	0.0709
6	4	1	0.6560	0.5661	0.5214	0.6033	0.0915	0.0878	0.0625	0.0986
7		2	0.5800	0.5518	0.5160	0.5662	0.0888	0.0842	0.0684	0.0869
8		3	0.4840	0.4729	0.4727	0.4784	0.0915	0.0931	0.0729	0.0920
9		4	0.5306	0.5264	0.5165	0.5295	0.0775	0.0784	0.0598	0.0782
10	5	1	0.5200	0.4461	0.4602	0.4770	0.0756	0.0875	0.0530	0.0731
11		2	0.5333	0.5166	0.5114	0.5196	0.0937	0.0974	0.0717	0.0953
12		3	0.5146	0.5091	0.5014	0.5100	0.1023	0.1004	0.0860	0.1016
13		4	0.5279	0.5215	0.5286	0.5291	0.1073	0.1086	0.0845	0.1057
14		5	0.4975	0.4948	0.4979	0.4950	0.0729	0.0724	0.0677	0.0739
15	6	1	0.5343	0.4624	0.4562	0.4991	0.0790	0.0768	0.0579	0.0840
16		2	0.4564	0.4386	0.4482	0.4457	0.0823	0.0809	0.0626	0.0830
17		3	0.4771	0.4735	0.4606	0.4771	0.0811	0.0813	0.0763	0.0809
18		4	0.5530	0.5481	0.5504	0.5509	0.0883	0.0874	0.0762	0.0881
19		5	0.4869	0.4840	0.4932	0.4892	0.0952	0.0958	0.0818	0.0956
20		6	0.5534	0.5522	0.5339	0.5503	0.0868	0.0871	0.0775	0.0865
21	7	1	0.6875	0.6207	0.6110	0.6570	0.0614	0.0594	0.0464	0.0663
22		2	0.4178	0.4040	0.3932	0.4086	0.0857	0.0853	0.0701	0.0849
23		3	0.5283	0.5201	0.5478	0.5237	0.0705	0.0697	0.0549	0.0698
24		4	0.5546	0.5542	0.5424	0.5541	0.0897	0.0893	0.0745	0.0891
25		5	0.4710	0.4707	0.4465	0.4707	0.0833	0.0839	0.0720	0.0831
26		6	0.4371	0.4361	0.4324	0.4382	0.0889	0.0890	0.0805	0.0874
27		7	0.5079	0.5076	0.5001	0.5108	0.0852	0.0849	0.0816	0.0848

APPENDIX B TWO SAMPLE DISTRIBUTIONAL CHANGES

NUMBER OF ITERATIONS: 50
APPROXIMATE RANDOMIZATION SAMPLE SIZE: 1000

		_									
	SAMPL		PLED								
	SIZES		BUTIONS	_		RAGES		_	VARIA		
LASE	1 2	1	2	R	T	н	A	R	T	М	A
28	7 5	N(-10,1)	N(-10,1)	0.5010	0.5019	0.4883	0 5017	0.0750	0.0756	0 0687	0.0757
29		(-5,1)	(-5,1)						0.0903		
30		(-2,1)	(-2,1)						0.0981		
31		(-1,1)	(-1,1)						0.0748		
32		(5,1)	(5,1)						0.0886		
33		(2,1)	(2,1)						0.0776		
34		(1,1)	(1,1)						0.0814		
35		(0,1)	(0,1)						0.0860		
36		(.1,1)	(.1,1)						0.0785		
37		(.2,1)	(.2,1)						0.0815		
38		(.5,1)	(.5,1)						0.0765		
39		(1,1)	(1,1)						0.0720		
40		(2,1)	(2,1)						0.1011		
41		(5,1)	(5,1)						0.0773		
42		(10,1)	(10,1)						0.0895		
46		(10)1)	(10,1,	0.4//2	0.4/40	0.4/43	0.4004	0.0077	0.0075	0.0055	0.0710
43		(0,.1)	(0,.1)	0.4906	0.4889	0.4580	0.4901	0.0853	0.0859	0.0720	0.0838
44		(0,.2)	(0,.2)						0.0742		
45		(0,.5)	(0,.5)						0.0807		
46		(0,1)	(0,1)						0.0653		
47		(0,2)	(0,2)						0.0717		
48		(0,5)	(0,5)						0.0891		
49		(0,10)	(0,10)						0.0769		
			,	*****					0.0,0,		
50	76	(-10,1)	(-10,1)	0.4907	0.4902	0.4861	0.4919	0.0820	0.0814	0.0742	0.0815
51		(-5,1)	(-5,1)	0.4781	0.4776	0.4833	0.4794	0.0993	0.0985	0.0932	0.1011
52		(-2,1)	(-2,1)	0.5408	0.5399	0.5413	0.5386	0.0803	0.0802	0.0804	0.0804
53		(-1,1)	(-1,1)	0.4994	0.5022	0.4832	0.4978	0.0547	0.0552	0.0527	0.0542
54		(5,1)	(5,1)	0.5189	0.5194	0.5293	0.5182	0.0592	0.0595	0.0604	0.0585
55		(2,1)	(2,1)	0.4696	0.4696	0.4595	0.4705	0.0731	0.0735	0.0563	0.0739
56		(1,1)	(1,1)	0.4548	0.4540	0.4503	0.4523	0.1055	0.1050	0.1011	0.1051
57		(0,1)	(0,1))	0.5487	0.5480	0.5500	0.5491	0.0685	0.0686	0.0650	0.0692
58		(.1,1)	(.1,1)	0.4913	0.4905	0.4715	0.4885	0.0919	0.0921	0.0874	0.0919
59		(.2,1)	(.2,1)	0.4727	0.4726	0.4708	0.4741	0.0842	0.0846	0.0763	0.0846
60		(.5,1)	(.5,1)						0.0865		
61		(1,1)	(1,1)	0.4879	0.4876	0.4632	0.4898	0.0933	0.0932	0.0830	0.0943
62		(2,1)	(2,1)	0.5247	0.5251	0.5215	0.5267	0.0742	0.0740	0.0677	0.0739
63		(5,1)	(5,1)	0.4675	0.4657	0.4771	0.4672	0.0710	0.0713	0.0563	0.0707
64		(10,1)	(10,1)	0.5073	0.5062	0.4850	0.5093	0.0896	0.0899	0.0830	0.0900
65		(0,.1)	(0,.1)						0.1054		
66		(0,.2)	(0,.2)						0.0959		
67		(0,.5)	(0,.5)						0.0832		
68		(0,1)	(0,1)						0.0854		
69		(0,2)	10,2)						0.0931		
70		(0,5)	(0,5)						0.0778		
71		(0,10)	(0,10)	0.5051	0.5055	0.5017	0.5043	0.0768	0.0767	0.0760	0.0769
72	7 7	(-10.1)	(-10.3)	0 4740	0 67/5	0 6400	0 670	0 074-	0 070	0 0300	0 0700
72 73	7 7	(-10,1)	(-10,1)						0.0784		
73 74		(-5,1)	(-5,1)						0.0939		
7 4 7 5		(-2,1)	(-2,1)						0.0844		
76		(-1,1)	(-1,1)						0.0787		
		(5,1)	(5,1)						0.0936		
77		(2,1)	(2,1)	V.46/0	U.4663	U.4666	0.4650	U.0851	0.0849	U.U749	0.0853

```
78
             (-.1,1)
                       (-.1,1)
                                  0.4606 0.4610 0.4604 0.4587 0.0895 0.0895 0.0864 0.0888
                                  0.4434 0.4434 0.4497 0.4407 0.0869 0.0869 0.0707 0.0871
79
             (0,1)
                       (0,1)
80
             (.1,1)
                       (.1,1)
                                  0.4843 0.4841 0.4876 0.4836 0.0934 0.0934 0.0898 0.0936
81
                                  0.4926 0.4924 0.5006 0.4945 0.0960 0.0952 0.0920 0.0957
             (.2.1)
                       (.2,1)
                                  0.4549 0.4526 0.4441 0.4579 0.0720 0.0721 0.0569 0.0722
82
             (.5,1)
                       (.5,1)
83
             (1,1)
                       (1,1)
                                  0.4869 0.4869 0.4887 0.4870 0.1054 0.1049 0.1009 0.1054
                                  0.5580 0.5576 0.5752 0.5564 0.0614 0.0611 0.0583 0.0620
84
             (2.1)
                       (2,1)
                                  0.4579 0.4585 0.4561 0.4563 0.0968 0.0969 0.0860 0.0956
85
             (5,1)
                       (5,1)
             (10,1)
                       (10.1)
                                  0.4560 0.4564 0.4675 0.4551 0.1045 0.1046 0.0981 0.1038
87
             (0,.1)
                                  0.5868 0.5861 0.5763 0.5859 0.0856 0.0853 0.0750 0.0851
                       (0,.1)
88
             (0,.2)
                       (0,.2)
                                  0.4552 0.4534 0.4468 0.4546 0.0951 0.0955 0.0859 0.0956
                                  0.5050 0.5057 0.4817 0.5034 0.0632 0.0632 0.0564 0.0631
89
             (0,.5)
                       (0,.5)
                                  0.5010 0.5020 0.5031 0.5008 0.0889 0.0895 0.0729 0.0900
             (0.11
90
                       (0,1)
91
             (0,2)
                       (0,2)
                                  0.4928 0.4916 0.4917 0.4956 0.0821 0.0821 0.0757 0.0814
                                  0.5648 0.5645 0.5460 0.5664 0.0851 0.0850 0.0785 0.0853
92
             (0.5)
                       (0,5)
                                  0.5120 0.5122 0.5046 0.5130 0.0982 0.0979 0.0926 0.0978
93
             (0,10)
                       (0.10)
94
             (-10,1)
                       (0,1)
                                  1.0000 1.0000 0.9986 0.9997 0.0000 0.0000 0.0000 0.0000
95
             (-5,1)
                                  1.0000 1.0000 0.9986 0.9998 0.0000 0.0000 0.0000 0.0000
                                  0.9700 0.9710 0.9555 0.9707 0.0041 0.0040 0.0081 0.0040
96
             \{-2,1\}
97
             (-1,1)
                                  0.9016 0.9015 0.8821 0.9023 0.0137 0.0135 0.0173 0.0130
98
             (-.5,1)
                                  0.6675 0.6677 0.6544 0.6675 0.0780 0.0780 0.0681 0.0801
             (0,1)
99
                                  0.5450 0.5467 0.5338 0.5467 0.0782 0.0776 0.0690 0.0772
100
             (.5,1)
                                  0.3218 0.3192 0.3562 0.3186 0.0655 0.0645 0.0628 0.0656
                                  0.1502 0.1505 0.1711 0.1520 0.0273 0.0283 0.0341 0.0278
101
             (1,1)
102
                                  0.0195 0.0185 0.0295 0.0216 0.0012 0.0014 0.0030 0.0014
             (2,1)
103
             (5,1)
                                  0.0013 0.0000 0.0014 0.0020 0.0000 0.0000 0.0000 0.0000
                                  0.0013 0.0000 0.0014 0.0023 0.0000 0.0000 0.0000 0.0000
104
             (10,1)
                                  0.4182 0.4079 0.3993 0.4171 0.0839 0.0877 0.0886 0.0827
105
             (0,.1)
                          (0,1)
                                  0.5503 0.5498 0.5508 0.5490 0.1012 0.1079 0.0753 0.1011
106
             (0,.2)
107
             (0,.5)
                                  0.5175 0.5154 0.5414 0.5167 0.0793 0.0819 0.0723 0.0800
                                  0.4772 0.4748 0.4743 0.4802 0.0899 0.0895 0.0855 0.0910
108
             (0,1)
109
             (0,2)
                                  0.4831 0.4826 0.4608 0.4820 0.0705 0.0718 0.0744 0.0688
110
             (0,5)
                                  0.4161 0.4191 0.4280 0.4161 0.0738 0.0761 0.0779 0.0740
                                  0.4694 0.4686 0.4638 0.4720 0.0708 0.0720 0.0633 0.0709
111
             (0,10)
112 7 6
             (-10,1)
                          (0,1)
                                  1.0000 1.0000 0.9994 0.9998 0.0000 0.0000 0.0000 0.0000
                                  1.0000 1.0000 0.9994 0.9999 0.0000 0.0000 0.0000 0.0000
             1-5,1)
113
             (-2,1)
                                  0.9939 0.9939 0.9887 0.9940 0.0001 0.0001 0.0004 0.0001
114
115
             (-1,1)
                                  0.9078 0.9079 0.8921 0.9064 0.0261 0.0259 0.0265 0.0260
                                  0.7419 0.7412 0.7232 0.7422 0.0459 0.0460 0.0473 0.0462
             (-.5,1)
116
117
             (0,1)
                                  0.4781 0.4776 0.4833 0.4793 0.0993 0.0985 0.0932 0.1011
118
             (.5,1)
                                  0.2781 0.2778 0.3171 0.2755 0.0519 0.0523 0.0619 0.0509
                                  0.0967 0.0952 0.1248 0.0974 0.0125 0.0125 0.0184 0.0119
119
             (1,1)
                                  0.0073 0.0071 0.0092 0.0087 0.0002 0.0002 0.0002 0.0002
120
             (2,1)
121
             (5.1)
                                  0.0006 0.0000 0.0006 0.0014 0.0000 0.0000 0.0000 0.0000
                                  0.0006 0.0000 0.0006 0.0016 0.0000 0.0000 0.0000 0.0000
             (10.1)
122
123
             (0,.1)
                          (0,1) 0.5423 0.5407 0.5465 0.5412 0.0697 0.0717 0.0816 0.0721
                                  0.5161 0.5172 0.5139 0.5186 0.1108 0.1145 0.1036 0.1105
124
             (0,.2)
             (0,.5)
                                  0.4676 0.4670 0.4788 0.4677 0.0853 0.0875 0.0804 0.0844
125
126
             (0,1)
                                  0.4859 0.4861 0.4770 0.4867 0.0870 0.0865 0.0849 0.0857
                                  0.5030 0.5022 0.4694 0.5062 0.0944 0.0950 0.0907 0.0957
127
             (0,2)
                                  0.5214 0.5221 0.5373 0.5212 0.0806 0.0821 0.0832 0.0806
128
             (0.5)
129
             (0,10)
                                  0.4843 0.4795 0.4630 0.4858 0.0696 0.0747 0.0624 0.0697
130
    7 7
             (-10,1)
                          (0,1)
                                  1.0000 1.0000 0.9997 0.9999 0.0000 0.0000 0.0000 0.0000
                                  1.0000 1.0000 0.9997 0.9999 0.0000 0.0000 0.0000 0.0000
131
             (-5,1)
132
             (-2,1)
                                  0.9946 0.9949 0.9920 0.9950 0.0001 0.0001 0.0002 0.0001
                                  0.8967 0.8965 0.8895 0.8977 0.0236 0.0236 0.0230 0.0227
133
             (-1,1)
                                  0.7597 0.7588 0.7485 0.7603 0.0437 0.0439 0.0412 0.0430
134
             (-.5,1)
135
             (0,1)
                                  0.5245 0.5243 0.4973 0.5250 0.0789 0.0789 0.0726 0.0793
136
             (.5,1)
                                  0.2147 0.2165 0.2202 0.2131 0.0413 0.0421 0.0385 0.0405
                                  0.0772 0.0767 0.0988 0.0801 0.0148 0.0149 0.0221 0.0149
137
             (1.1)
138
             (2,1)
                                  0.0089 0.0085 0.0135 0.0097 0.0003 0.0003 0.0007 0.0003
                                  0.0003 0.0000 0.0003 0.0012 0.0000 0.0000 0.0000 0.0000
139
             (5,1)
                                  0.0003 0.0000 0.0003 0.0012 0.0000 0.0000 0.0000 0.0000
140
             (10.1)
```

141			(0,.1)	(0,1)	0.5877 0	. 5900	0.5438	0.5892	0.0821	0.0845	0.0797	0.0816
142			(0,.2)		0.4514 0	. 4486	0.4182	0.4517	0.0854	0.0890	0.0780	0.0857
143			(0,.5)		0.4727 0	4719	0.4722	0.4714	0.0813	0.0826	0.0768	0.0801
144			(0,1)		0.4434 0							
145			(0,2)		0.5199 0							
146			(0,5)		0.5113 0							
147			(0,10)		0.4765 0	. 4740	0.4807	0.4796	0.0952	0.0966	0.0873	0.0961
	_	_										
148	7	5	EXP(.1)	EXP(.1)	0.4351 0	. 4302	0.4471	0.4348	0.0928	0.0680	0.0873	0.0924
149			(.2)	(.2)	0.5609 0	. 5453	0.5673	0.5601	0.0821	0.0796	0.0743	0.0825
150			(.5)	(.5)	0.5456 0	.4964	0.5627	0.5438	0.0780	0.0645	0.0707	0.0782
151			(1)	(1)	0.4639 0							
152			(2)	(2)	0.5449 0							
153			(5)	(5)	0.4605 0							
154			(10)	(10)	0.4575 0	.4722	0.4631	0.4593	0.0811	0.0642	0.0814	0.0808
1												
155			(.1)	(1)	0.9867 0							
156			(.2)		0.9719 0	. 9152	0.9463	0.9731	0.0014	0.0047	0.0059	0.0013
157			(.5)		0.8432 0	. 7383	0.7946	0.8452	0.0250	0.0481	0.0276	0.0243
158			(1)		0.4389 0	.4143	0.4276	0.4413	0.1040	0.0699	0.0937	0.1030
159			(2)		0.2466 0							
160			(5)		0.0387 0							
161			(10)		0.0135 0	. 1681	0.0255	0.0154	0.0007	0.0138	0.0030	0.0008
162	7	6	())	(.1)	0 6070 0	E024	0 4007	0 5077	0 0066		0 0004	
_	′	0	(.1)		0.4970 0							
163			(.2)	(.2)	0.4117 0							
164			(.5)	(.5)	0.5308 0	. 5178	0.5261	0.5317	0.0901	0.1034	0.0724	0.0898
165			(1)	(1)	0.5223 0	. 4990	0.5220	0.5240	0.0782	0.0880	0.0722	0.0784
166			(2)	(2)	0.4176 0	. 4323	0.4547	0.4201	0.0730	0.0685	0.0768	0.0724
167			(5)	(5)	0.5417 0							
168			(10)	(10)	0.4822 0	.4/32	0.4/99	0.4826	0.0641	0.0783	0.0615	0.0643
169			(.1)	(1)	0.9902 0	9621	0000	0 0002	0 0004	0 0010	0 0077	0 0004
				(1)					-			
170			(.2)		0.9535 0							
171			(.5)		0.7610 0	. 7248	0.7431	0.7612	0.0522	0.0521	0.0451	0.0528
172			(1)		0.5072 0.	. 5192	0.5401	0.5072	0.0783	0.0817	0.0769	0.0786
173			(2)		0.1823 0.	. 2309	0.2121	0.1833	0.0398	0.0423	0.0361	0.0398
174			(5)		0.0381 0						_	
175			(10)		0.0047 0							
113			. 10,		0.0047 0.	. 0370	0.0101	0.0035	0.0000	0.0020	0.0003	0.0000
176	7	7	(.1)	(.1)	0.4747 0	4741	n 4559	n 4774	0 0845	0 0866	0.0655	0 0841
177	•	•	(.2)	(.2)	0.5493 0							
178			(.5)	(.5)	0.4733 0							
179			(1)	(1)	0.5032 0.	. 5020	0.5050	0.5039	0.0683	0.0729	0.0620	0.0695
180			(2).	(2)	0.4240 0	. 4235	0.4324	0.4216	0.0678	0.0707	0.0644	0.0672
181			(5)	(5)	0.4739 0	.4724	0.4689	0.4725	0.0905	0.0923	0.0905	0.0907
182			(10)	(10)	0.4479 0							
												3
183			(.1)	(1)	0.9954 0	. 9833	0.9856	0.9951	0.0001	0.0003	0.0017	0.0001
184			(.2)		0.9809 0	. 9735	0.9605	0.9803	0.0010	0.0009	0.0031	0.0010
185			(.5)		0.8169 0							
186			(1)		0.4549 0							
187			(2)		0.2188 0							
188			(5)		0.0358 0	. 0420	0.0633	0.0361	0.0055	0.0039	0.0121	0.0048
189			(10)		0.0054 0	.0210	0.0129	0.0060	0.0001	0.0006	0.0005	0.0001
	_	_										
190	7	5	U(0,.1)	U(0,.1)	0.5394 0	. 5388	0.5308	0.5374	0.0609	0.0600	0.0539	0.0604
191			(0,.2)	(0,.2)	0.5652 0	. 5656	0.5574	0.5646	0.0870	0.0853	0.0817	0.0874
192			(0,.5)	(0,.5)	0.4909 0							
193			(0,1)	(0,1)	0.4868 0							
194			(0,2)	(0,2)	0.4347 0							
			(0,5)									
195				(0,5)	0.4923 0							
196			(0,10)	(0,10)	0.4997 0							
197			(0,.1)	(0,1)	0.9932 0	. 9942	0.9766	0.9934	0.0003	0.0001	0.0031	0.0002
198			(0,.2)		0.9890 0	. 9916	0.9701	0.9886	0.0006	0.0004	0.0031	0.0007
199			(0,.5)		0.8242 0							
200			(0,1)		0.4344 0							
201			(0,2)		0.1462 0	. 14//	U.2052	U. 14/8	U. USSI	0.0529	U.U426	U.U54Z

```
202
             (0.5)
                                  0.0180 0.0170 0.0365 0.0192 0.0017 0.0008 0.0072 0.0018
203
             (0,10)
                                  0.0045 0.0063 0.0083 0.0054 0.0000 0.0001 0.0003 0.0000
204
    7
             (0,.2)
                       (0,.1)
                                  0.5890 0.5897 0.5851 0.5897 0.0787 0.0784 0.0719 0.0778
                                  0.5270 0.5263 0.5189 0.5270 0.0855 0.0856 0.0797 0.0844
205
             (0,.2)
                       (0,.2)
                                  0.5398 0.5394 0.5299 0.5390 0.0968 0.0963 0.0884 0.0971
206
             (0,.5)
                       (0,.5)
             (0,1)
207
                       (0,1)
                                  0.4073 0.4069 0.4071 0.4070 0.0787 0.0776 0.0721 0.0784
                                  0.4974 0.4971 0.4988 0.4961 0.0699 0.0690 0.0701 0.0704
             (0.2)
208
                       (0.2)
                                  0.5199 0.5180 0.5254 0.5213 0.0856 0.0848 0.0726 0.0850
209
             (0,5)
                       (0,5)
210
             (0,10)
                       (0.10)
                                  0.4888 0.4890 0.4893 0.4882 0.0769 0.0759 0.0687 0.0781
             (0,.1)
                                  0.9977 0.9956 0.9918 0.9977 0.0000 0.0001 0.0002 0.0000
211
                       (0,1)
212
             (0,.2)
                                  0.9891 0.9912 0.9695 0.9890 0.0007 0.0004 0.0034 0.0007
213
             (0,.5)
                                  0.9205 0.9211 0.8651 0.9200 0.0077 0.0082 0.0226 0.0078
             (0,1)
                                  0.5051 0.5035 0.5181 0.5030 0.0844 0.0830 0.0696 0.0859
214
215
             (0,2)
                                  0.0919 0.0906 0.1443 0.0926 0.0107 0.0106 0.0197 0.0110
                                  0.0223 0.0215 0.0504 0.0240 0.0016 0.0013 0.0099 0.0017
             (0,5)
216
                                  0.0031 0.0063 0.0066 0.0037 0.0000 0.0001 0.0001 0.0000
             (0,10)
217
218
    7 7
             (0,.1)
                       (0,.1)
                                  0.4566 0.4567 0.4715 0.4586 0.0829 0.0821 0.0762 0.0827
            (0,.2)
                       (0,.2)
                                  0.5440 0.5451 0.5551 0.5432 0.0920 0.0913 0.0890 0.0923
219
220
             (0,.5)
                       (0,.5)
                                  0.5532 0.5522 0.5490 0.5569 0.0747 0.0737 0.0731 0.0744
                                  0.5268 0.5268 0.5073 0.5225 0.0817 0.0811 0.0720 0.0823
221
             (0,1)
                       (0,1)
                                  0.4588 0.4588 0.4525 0.4621 0.0878 0.0868 0.0839 0.0874
             (0,2)
                       (0,2)
222
223
             (0,5)
                       (0,5)
                                  0.5453 0.5446 0.5606 0.5457 0.0795 0.0784 0.0659 0.0794
224
             (0,10)
                       (0,10)
                                  0.6160 0.6155 0.6033 0.6176 0.0799 0.0792 0.0661 0.0802
225
             (0,.1)
                       (0,1)
                                  0.9989 0.9980 0.9942 0.9989 0.0000 0.0000 0.0002 0.0000
                                  0.9966 0.9954 0.9913 0.9965 0.0000 0.0000 0.0002 0.0000
226
             (0,.2)
                                  0.9269 0.9284 0.8888 0.9266 0.0151 0.0149 0.0245 0.0155 0.4797 0.4795 0.4698 0.4769 0.0690 0.0684 0.0601 0.0681
             (0,.5)
227
228
             (0,1)
                                  0.0463 0.0443 0.0841 0.0472 0.0033 0.0030 0.0111 0.0034
229
             (0.2)
             (0,5)
                                  0.0085 0.0082 0.0332 0.0101 0.0003 0.0003 0.0064 0.0004
230
                                  0.0023 0.0034 0.0086 0.0030 0.0000 0.0000 0.0002 0.0000
231
             (0.10)
232 7 5 GAMA(.1,1) GAMA(.1,1) 0.4670 0.4752 0.3191 0.4659 0.0741 0.0820 0.0598 0.0738
                         (.2,1) 0.5300 0.5162 0.5022 0.5300 0.0710 0.0835 0.0708 0.0714
233
              (.2,1)
234
                          (.5,1) 0.5216 0.5137 0.5257 0.5220 0.0939 0.0958 0.0869 0.0932
               (.5.1)
                                  0.5268 0.5254 0.5249 0.5289 0.0881 0.0920 0.0877 0.0878
235
               (1,1)
                          (1,1)
                                  0.5478 0.5436 0.5648 0.5470 0.0663 0.0684 0.0558 0.0657
236
               (2,1)
                          (2,1)
237
               (5,1)
                          (5,1)
                                  0.4394 0.4379 0.4365 0.4390 0.0724 0.0725 0.0588 0.0742
                          (10,1) 0.5203 0.5188 0.5221 0.5188 0.0799 0.0820 0.0669 0.0799
238
               (10,1)
239
               (1,.1)
                          (1,.1) 0.4293 0.4198 0.4499 0.4287 0.0701 0.0724 0.0601 0.0701
                          (1,.2) 0.4967 0.4841 0.5110 0.4963 0.0767 0.0811 0.0738 0.0765
240
               (1,.2)
                          (1,.5) 0.5476 0.5507 0.5628 0.5462 0.0905 0.0926 0.0868 0.0896
               (1,.5)
241
                                  0.4841 0.4799 0.4437 0.4836 0.0769 0.0796 0.0714 0.0779
242
               (1,1)
                          (1,1)
                                  0.4789 0.4762 0.4825 0.4787 0.0903 0.0900 0.0820 0.0907
243
               (1,2)
                          (1,2)
                                  0.5040 0.4973 0.5077 0.5036 0.0866 0.0902 0.0780 0.0863
244
               (1.5)
                          (1.5)
                          (1,10) 0.5367 0.5309 0.5355 0.5374 0.0772 0.0830 0.0567 0.0765
245
               (1,10)
246
    7 6
               (.1.1)
                          (.1,1) 0.5053 0.4913 0.3509 0.5053 0.0877 0.0954 0.0782 0.0878
                          (.2,1) 0.4965 0.4966 0.4818 0.4941 0.0888 0.0990 0.0776 0.0903
247
               (.2,1)
248
                          (.5,1)
                                  0.4929 0.4883 0.4819 0.4914 0.1073 0.1135 0.0765 0.1065
               (.5,1)
                                  0.4827 0.4795 0.4560 0.4838 0.0798 0.0823 0.0722 0.0810
249
               (1.1)
                          (1.1)
                                  0.5268 0.5220 0.5391 0.5283 0.0684 0.0711 0.0580 0.0679
250
               (2,1)
                          (2,1)
                                  0.5061 0.5047 0.5095 0.5068 0.0977 0.0985 0.0941 0.0977
251
               (5,1)
                          (5,1)
                          (10,1) 0.4641 0.4614 0.4614 0.4650 0.0814 0.0817 0.0767 0.0816
252
               (10,1)
                          (1,.1) 0.5197 0.5193 0.5098 0.5189 0.0908 0.0937 0.0883 0.0910
253
               (1,.1)
                          (1,.2) 0.4861 0.4846 0.4776 0.4857 0.0648 0.0678 0.0570 0.0664
254
               (1,.2)
                          (1,.5) 0.4933 0.4910 0.4859 0.4965 0.0697 0.0727 0.0543 0.0699
255
               (1,.5)
                                  0.4855 0.4842 0.4929 0.4863 0.0714 0.0747 0.0607 0.0706
256
               (1,1)
                          (1,1)
257
               (1,2)
                          (1,2)
                                  0.4348 0.4353 0.4340 0.4348 0.0842 0.0841 0.0769 0.0850
                          (1,5)
                                  0.5072 0.5007 0.5089 0.5076 0.0822 0.0839 0.0707 0.0822
258
               (1.5)
                          (1,10)
                                  0.4830 0.4816 0.4564 0.4820 0.0753 0.0757 0.0720 0.0744
259
               (1,10)
260
                          (.1,1) 0.4933 0.4866 0.3389 0.4936 0.0870 0.0985 0.0610 0.0869
    7 7
               (.1,1)
                          (.2,1) 0.5133 0.5064 0.5121 0.5157 0.0909 0.0954 0.0803 0.3913
261
               1.2,11
```

```
262
               (.5,1)
                          (.5,1) 0.5745 0.5836 0.5470 0.5750 0.0631 0.0636 0.0521 0.0620
                                  0.4941 0.4929 0.4705 0.4959 0.0899 0.0910 0.0734 0.0892
263
               (1.1)
                          (1,1)
264
               (2,1)
                          (2,1)
                                  0.4787 0.4791 0.4665 0.4758 0.0916 0.0921 0.0826 0.0914
265
               (5.1)
                          (5,1)
                                  0.5197 0.5210 0.5156 0.5190 0.0709 0.0717 0.0640 0.0715
                          (10,1) 0.5060 0.5062 0.5156 0.5050 0.0818 0.0819 0.0755 0.0817
               (10,1)
266
267
               (1,.1)
                          (1,.1) 0.5299 0.5275 0.5674 0.5285 0.0736 0.0754 0.0658 0.0747
268
               (1,.2)
                          (1,.2) 0.5463 0.5449 0.5462 0.5481 0.0929 0.0950 0.0906 0.0945
                          (1,.5) 0.5253 0.5250 0.5073 0.5267 0.0839 0.0853 0.0893 0.0830
269
               (1,.5)
270
               (1,1)
                          (1,1)
                                  0.5075 0.5100 0.5250 0.5089 0.0685 0.0725 0.0645 0.0685
                                  0.5121 0.5102 0.4902 0.5132 0.0527 0.0600 0.0473 0.0529
271
               (1,2)
                          (1,2)
                                  0.4706 0.4651 0.4442 0.4726 0.0921 0.0969 0.0806 0.0911
272
               (1.5)
                          (1.5)
273
               (1,10)
                          (1,10) 0.5364 0.5363 0.5494 0.5362 0.0817 0.0837 0.0623 0.0828
274
    7 5
                                  0.9709 0.9657 0.9872 0.9709 0.0076 0.0072 0.0006 0.0070
               (.1.1)
                          (1.1)
275
                                  0.9553 0.9497 0.9701 0.9550 0.0108 0.0105 0.0067 0.0107
               (.2,1)
                                  0.7674 0.7640 0.7645 0.7664 0.0481 0.0499 0.0436 0.0479
276
               (.5,1)
                                  0.5200 0.5139 0.4850 0.5206 0.0664 0.0707 0.0502 0.0654
277
               (1.1)
278
               (2,1)
                                  0.1032 0.1043 0.1205 0.1056 0.0194 0.0184 0.0246 0.0204
279
               (5,1)
                                  0.0047 0.0055 0.0057 0.0057 0.0001 0.0001 0.0002 0.0001
                                  0.0013 0.0002 0.0014 0.0020 0.0000 0.0000 0.0000 0.0000
               (10,1)
230
281
               (1,.1)
                          (1,1)
                                  0.9867 0.9814 0.9711 0.9867 0.0008 0.0006 0.0029 0.0007
                                  0.9501 0.9472 0.9206 0.9498 0.0141 0.0129 0.0216 0.0144
282
               (1,.2)
283
               (1,.5)
                                  0.7965 0.7979 0.7656 0.7967 0.0507 0.0530 0.0551 0.0489
                                  0.4269 0.4187 0.4360 0.4241 0.0712 0.0737 0.0597 0.0705
284
               (1,1)
285
                                  0.2524 0.2503 0.3001 0.2513 0.0539 0.0494 0.0639 0.0524
               11.21
                                  0.0488 0.0649 0.0854 0.0501 0.0032 0.0028 0.0115 0.0034
286
               (1,5)
                                  0.0157 0.0347 0.0248 0.0159 0.0012 0.0014 0.0026 0.0011
287
               (1,10)
288 7 6
               (.1,1)
                          (1,1)
                                 0.9796 0.9743 0.9920 0.9786 0.0026 0.0022 0.0002 0.0028
289
                                  0.9160 0.9118 0.9598 0.9133 0.0185 0.0179 0.0053 0.0198
               (.2,1)
                                  0.8175 0.8199 0.8242 0.8133 0.0352 0.0340 0.0361 0.0369
290
               (.5.1)
291
                                  0.4448 0.4435 0.4794 0.4458 0.0749 0.0777 0.0751 0.0757
               (1,1)
292
                                  0.1683 0.1701 0.1544 0.1695 0.0553 0.0543 0.0436 0.0556
               12,1)
                                  0.0020 0.0021 0.0027 0.0031 0.0000 0.0000 0.0000 0.0000
293
               (5.1)
                                  0.0006 0.0000 0.0006 0.0013 0.0000 0.0000 0.0000 0.0000
294
               (10,1)
295
               (1..1)
                          (1,1)
                                  0.9867 0.9771 0.9703 0.9873 0.0009 0.0008 0.0062 0.0008
296
                                  0.9550 0.9552 0.9139 0.9546 0.0060 0.0042 0.0235 0.0059
               (1,.2)
297
                                  0.8074 0.8170 0.7682 0.8032 0.0422 0.0417 0.0467 0.0427
               (1..5)
298
               (1,1)
                                  0.5351 0.5367 0.5215 0.5343 0.0742 0.0761 0.0660 0.0741
299
                                  0.1849 0.1816 0.2270 0.1842 0.0448 0.0431 0.0537 0.0445
               (1,2)
300
                                  0.0402 0.0488 0.0697 0.0414 0.0037 0.0032 0.0100 0.0038
               (1,5)
                                  0.0167 ( 257 0.0288 0.0172 0.0021 0.0012 0.0062 0.0021
301
               (1.10)
302 7 7
               (.1,1)
                          (1,1) 0.9916 0.9802 0.9947 0.9915 0.0004 0.0004 0.0001 0.0004
303
               (.2,1)
                                  0.9337 0.9261 0.9607 0.9352 0.0134 0.0133 0.0050 0.0129
304
                                  0.8345 0.8315 0.8636 0.8350 0.0366 0.0385 0.0242 0.0357
               (.5,1)
305
               (1,1)
                                  0.5059 0.5025 0.5260 0.5084 0.0850 0.0869 0.0731 0.0859
306
               (2,1)
                                  0.1076 0.1094 0.1223 0.1074 0.0203 0.0212 0.0241 0.0200
307
                                  0.0016 0.0019 0.0033 0.0027 0.0000 0.0000 0.0002 0.0000
               (5.1)
308
               (10,1)
                                  0.0003 0.0000 0.0003 0.0012 0.0000 0.0000 0.0000 0.0000
309
                                 0.9950 0.9840 0.9900 0.9949 0.0001 0.0002 0.0003 0.0001
               (1,.1)
                          (1.1)
                                  0.9522 0.9430 0.9261 0.9527 0.0192 0.0172 0.0264 0.0189
310
               (1,.2)
311
               (1,.5)
                                  0.7871 0.7936 0.7505 0.7876 0.0578 0.0573 0.0615 0.0567
                                  0.5685 0.5704 0.5472 0.5684 0.0752 0.0767 0.0725 0.0755 0.1434 0.1427 0.1651 0.1456 0.0184 0.0173 0.0213 0.0193
312
               (1.1)
313
               (1,2)
314
               (1,5)
                                  0.0340 0.0400 0.0650 0.0343 0.0061 0.0054 0.0166 0.0063
315
                                  0.0062 0.0188 0.0143 0.0074 0.0001 0.0005 0.0007 0.0001
               (1.10)
    7 5 WEIB(.1,1) WEIB(.1,1) 0.4484 0.4321 0.3218 0.4481 0.0772 0.0763 0.0758 0.0783
317
                          1.2,11 0.5664 0.5443 0.5472 0.5638 0.0900 0.0794 0.0748 0.0904
               (.2.1)
                          (.5,1) 0.5442 0.4875 0.5627 0.5421 0.0790 0.0734 0.0707 0.0787
318
               (.5.1)
319
                                  0.4639 0.4582 0.4486 0.4630 0.0742 0.0656 0.0717 0.0741
               (1,1)
                          (1.1)
                                  0.5295 0.5186 0.5185 0.5282 0.0784 0.0614 0.0694 0.0784
320
               (2.1)
                          (2.1)
                                  0.4819 0.4914 0.5000 0.4791 0.1019 0.0604 0.0958 0.1016
321
               (5,1)
                          (5,1)
                          (10,1) 0.4791 0.4851 0.4631 0.4779 0.0890 0.0544 0.0814 0.0884
               (10,1)
```

AN ESCAPERS PERSONAL PRODUCTION (NEWSONS) ENVIRONMENT

```
323
               (1,.1)
                          (1,.1) 0.5106 0.4936 0.5301 0.5131 0.0907 0.0785 0.0776 0.0902
324
                          (1,.2) 0.5885 0.5711 0.5638 0.5909 0.0574 0.0580 0.0461 0.0577
               (1,.2)
                          (1,.5) 0.5710 0.5194 0.5402 0.5711 0.0682 0.0767 0.0591 0.0675
325
               (1,.5)
326
               (1,1)
                          (1,1)
                                  0.4389 0.4143 0.4276 0.4413 0.1040 0.0699 0.0937 0.1030
327
                                  0.5267 0.5111 0.5481 0.5266 0.0833 0.0760 0.0592 0.0839
               (1,2)
                          (1,2)
                                  0.4728 0.5012 0.4409 0.4728 0.0697 0.0649 0.0605 0.0702
328
               (1,5)
                          (1,5)
329
               (1,10)
                          (1,10) 0.4598 0.4764 0.4837 0.4608 0.0969 0.0582 0.0783 0.0973
330
                                  0.2161 0.3218 0.5393 0.2155 0.0380 0.0413 0.0649 0.0379
               (.1,1)
                          (1,1)
331
                                  0.3730 0.3709 0.6634 0.3715 0.0654 0.0625 0.0557 0.0646
               (.2,1)
                                  0.4187 0.4209 0.5633 0.4213 0.0816 0.0678 0.0756 0.0822
332
               (.5,1)
                                  0.5075 0.5016 0.5107 0.5061 0.0902 0.0718 0.0797 0.0899
333
               (1,1)
334
                                  0.5423 0.5457 0.4507 0.5441 0.1049 0.0897 0.0860 0.1053
               (2,1)
335
               (5,1)
                                  0.5074 0.5007 0.3726 0.5088 0.0832 0.0848 0.0779 0.0842
                                  0.3990 0.3529 0.3106 0.4003 0.0894 0.0888 0.0555 0.0897
336
               (10,1)
                          (1,1) 0.5296 0.4941 0.4884 0.5295 0.0926 0.0840 0.0731 0.0945
337
               (1,.1)
338
                                  0.5991 0.5565 0.5859 0.5981 0.0712 0.0607 0.0608 0.0706
               (1,.2)
339
                                  0.5476 0.4986 0.5564 0.5485 0.0906 0.0681 0.0742 0.0901
               (1,.5)
340
                                  0.5129 0.5764 0.5385 0.5125 0.1013 0.0710 0.0932 0.1008
               (1,1)
                                  0.4760 0.5013 0.4848 0.4751 0.0816 0.0696 0.0719 0.0816
341
               (1.2)
                                  0.5026 0.5045 0.4953 0.5054 0.0697 0.0620 0.0597 0.0689
342
               (1,5)
343
                                  0.5432 0.5664 0.5246 0.5455 0.0784 0.0497 0.0740 0.0790
               (1,10)
     7
                          (.1,1) 0.5133 0.5542 0.4034 0.5139 0.0713 0.0906 0.0669 0.0707
344
               (.1.1)
345
                          (.2,1) 0.4548 0.4866 0.3746 0.4545 0.0848 0.1025 0.0765 0.0857
               (.2,1)
                          (.5,1) 0.4441 0.4585 0.4690 0.4418 0.0778 0.0844 0.0531 0.0777
346
               (.5,1)
347
               (1.1)
                          (1,1)
                                  0.5378 0.5444 0.5272 0.5401 0.0947 0.0922 0.0929 0.0960
                                  0.5261 0.5254 0.5070 0.5243 0.0700 0.0660 0.0663 0.0704
348
               (2,1)
                          (2,1)
349
               (5,1)
                          (5,1)
                                  0.4799 0.4777 0.4882 0.4784 0.0737 0.0748 0.0660 0.0759
                          (10,1) 0.4740 0.4962 0.4790 0.4737 0.0778 0.0793 0.0768 0.0761
350
               (10,1)
351
                          (1,.1) 0.5718 0.5647 0.5617 0.5693 0.0776 0.0754 0.0685 0.0782
               (1,.1)
                          (1,.2) 0.5986 0.5873 0.5558 0.5998 0.0779 0.0750 0.0692 0.0776
352
               (1,.2)
                          (1,.5) 0.5096 0.5049 0.4970 0.5102 0.0687 0.0710 0.0519 0.0680
353
               (1,.5)
354
               (1,1)
                          (1,1)
                                  0.5106 0.5144 0.5095 0.5068 0.0735 0.0780 0.0721 0.0730
355
               (1,2)
                          (1,2)
                                  0.5231 0.5202 0.5357 0.5247 0.0696 0.0683 0.0561 0.0692
                                  0.5111 0.5409 0.4859 0.5112 0.0926 0.0883 0.0901 0.0955
356
                          (1.5)
               (1.5)
                          (1,10) 0.4707 0.4743 0.4635 0.4693 0.0887 0.0853 0.0869 0.0898
357
               (1,10)
358
                                  0.2859 0.3117 0.6696 0.2850 0.0635 0.0498 0.0656 0.0634
                          (1.1)
               (.1.1)
                                  0.3193 0.2992 0.6486 0.3210 0.0718 0.0636 0.0702 0.0709
359
               (.2,1)
360
               (.5,1)
                                  0.4709 0.4491 0.6535 0.4703 0.0751 0.0818 0.0660 0.0760
361
                                  0.5126 0.5138 0.4998 0.5121 0.0777 0.0779 0.0696 0.0785
               (1.1)
                                  0.5331 0.5038 0.4135 0.5360 0.0870 0.0906 0.0836 0.0865
362
               (2,1)
363
               (5,1)
                                  0.5067 0.4763 0.4159 0.5086 0.1101 0.1131 0.0931 0.1094
364
               (10,1)
                                  0.4491 0.4275 0.3352 0.4531 0.1115 0.1052 0.1015 0.1119
365
               (1,.1)
                          (1,1) 0.4658 0.4547 0.4630 0.4679 0.0804 0.0743 0.0656 0.0802
                                  0.5264 0.5177 0.4990 0.5276 0.1049 0.0943 0.0845 0.1034
366
               (1,.2)
                                  0.5169 0.5109 0.5267 0.5163 0.0960 0.0863 0.0857 0.0944
367
               \{1,.5\}
368
               (1,1)
                                  0.4399 0.4448 0.4601 0.4404 0.0998 0.0936 0.0892 0.0999
369
               (1,2)
                                  0.5856 0.5742 0.5549 0.5887 0.0856 0.0945 0.0664 0.0846
                                  0.4698 0.4651 0.4835 0.4683 0.0923 0.0794 0.0783 0.0926
370
               (1.5)
                                  0.5471 0.5316 0.5289 0.5483 0.0744 0.0806 0.0626 0.0744
371
               (1,10)
372
               (.1,1)
                          (.1,1) 0.4893 0.4971 0.3720 0.4940 0.0919 0.1108 0.0756 0.0914
                          (.2,1) 0.5011 0.5275 0.4435 0.5030 0.0749 0.0975 0.0636 0.0729
373
               (.2,1)
                                  0.4717 0.4620 0.4834 0.4716 0.0775 0.0793 0.0739 0.0779
374
               (.5,1)
                          (.5,1)
                                  0.5106 0.5134 0.5128 0.5129 0.0933 0.0965 0.0831 0.0933
375
               (1,1)
                          (1,1)
                                  0.5394 0.5385 0.5429 0.5393 0.0743 0.0740 0.0648 0.0735
376
               (2.1)
                          (2.1)
                                  0.5565 0.5561 0.5570 0.5570 0.0838 0.0839 0.0772 0.0860
377
               (5.1)
                          (5,1)
                          (10,1) 0.5620 0.5617 0.5606 0.5641 0.0658 0.0661 0.0633 0.0668
378
               (10,1)
379
                          (1,.1) 0.5237 0.5277 0.5103 0.5235 0.0881 0.0905 0.0828 0.0889
               (1,.1)
380
                          (1,.2) 0.5056 0.5042 0.4912 0.5024 0.0774 0.0788 0.0708 0.0787
               (1,.2)
381
               (1,.5)
                          (1,.5) 0.5224 0.5242 0.5516 0.5235 0.0884 0.0912 0.0771 0.0874
                                  0.4471 0.4422 0.4513 0.4457 0.0838 0.0858 0.0755 0.0844
332
               (1,1)
                          (1,1)
                                  0.4699 0.4722 0.4689 0.4714 0.0793 0.0818 0.0758 0.0802
383
                          (1,2)
```

```
0.5592 0.5566 0.5502 0.5641 0.0872 0.0901 0.0777 0.0872
               (1,5)
                          (1,5)
                          (1,10) 0.5675 0.5703 0.5844 0.5700 0.0756 0.0786 0.0818 0.0767
385
               (1,10)
386
               (.1.1)
                                  0.2252 0.1914 0.6484 0.2287 0.0465 0.0266 0.0759 0.0480
387
                                  0.3004 0.2210 0.6526 0.3012 0.0630 0.0553 0.0737 0.0625
               (.2,1)
388
               (.5,1)
                                  0.4448 0.4157 0.6012 0.4458 0.1116 0.1185 0.1006 0.1118
389
               (1.1)
                                  0.4732 0.4729 0.4679 0.4736 0.0904 0.0927 0.0796 0.0913
390
                                  0.5786 0.5903 0.4503 0.5799 0.0725 0.0757 0.0767 0.0734
               (2,1)
391
                                  0.4767 0.4887 0.3242 0.4761 0.0928 0.0993 0.0715 0.0931
               (5,1)
392
               (10,1)
                                  0.3946 0.3993 0.2509 0.3954 0.0928 0.0997 0.0573 0.0929
393
               (1,.1)
                          (1,1)
                                  0.4881 0.4871 0.4984 0.4874 0.1032 0.1022 0.0854 0.1036
394
              (1,.2)
                                  0.4189 0.4170 0.4185 0.4190 0.0981 0.0998 0.0882 0.0977
395
                                  0.5652 0.5671 0.5632 0.5642 0.0974 0.0993 0.0803 0.0976
              (1,.5)
396
              (1,1)
                                  0.4962 0.4970 0.4736 0.4984 0.0760 0.0783 0.0750 0.0757
397
               (1,2)
                                  0.5160 0.5178 0.5132 0.5152 0.0990 0.1016 0.0853 0.1000
398
                                  0.4575 0.4550 0.4625 0.4582 0.0824 0.0863 0.0757 0.0823
               (1.5)
399
               (1,10)
                                  0.5044 0.5066 0.4747 0.5019 0.0830 0.0882 0.0674 0.0826
400 7 5 BETA(.1,1) BETA(.1,1) 0.5185 0.5087 0.4488 0.5192 0.0939 0.0643 0.0916 0.0925
401
              (.2,1)
                          (.2,1) 0.4594 0.4588 0.4147 0.4584 0.0892 0.0920 0.0747 0.0896
402
               (.5.1)
                          (.5,1) 0.4215 0.4910 0.4373 0.4250 0.0821 0.0564 0.0707 0.0815
403
                                  0.5530 0.5343 0.5514 0.5547 0.0802 0.0636 0.0717 0.0812
               (1.1)
                          (1.1)
                                 0.4684 0.4803 0.4815 0.4703 0.0796 0.0621 0.0694 0.0793
404
              (2,1)
                          (2,1)
405
               (5.1)
                          (5,1)
                                  0.5394 0.5191 0.4999 0.5434 0.0934 0.0547 0.0958 0.0923
                          (10,1) 0.5429 0.5277 0.5368 0.5418 0.0824 0.0633 0.0813 0.0819
406
               (10.1)
407
                          (1,.1) 0.5125 0.4820 0.4170 0.5162 0.0856 0.0693 0.0766 0.0849
               (1,.1)
                          (1,.2) 0.5310 0.5563 0.5364 0.5333 0.0688 0.0694 0.0486 0.0685
408
               (1,.2)
409
               (1,.5)
                          (1,.5) 0.5301 0.5202 0.5402 0.5311 0.0715 0.0698 0.0591 0.0705
410
                                  0.5648 0.5852 0.5724 0.5652 0.1017 0.0647 0.0937 0.1000
               (1,1)
                          (1.1)
411
              (1.2)
                          (1.2)
                                  0.5373 0.5169 0.5481 0.5383 0.0794 0.0726 0.0592 0.0796
412
               (1,5)
                          (1,5)
                                  0.4702 0.5001 0.4409 0.4692 0.0684 0.0647 0.0605 0.0689
413
                          (1,10) 0.4599 0.4785 0.4829 0.4615 0.0968 0.0583 0.0789 0.0973
               (1,10)
414 7 6
              (.1,1)
                          (.1,1) 0.4838 0.4820 0.3705 0.4827 0.0879 0.0906 0.0858 0.0874
415
                          (.2,1) 0.5777 0.5756 0.5411 0.5767 0.0915 0.0959 0.0839 0.0917
               (.2,1)
416
               (.5,1)
                          (.5,1) 0.4562 0.4581 0.4728 0.4575 0.0710 0.0779 0.0723 0.0724
417
               (1,1)
                          (1,1)
                                  0.4741 0.4778 0.4757 0.4724 0.0844 0.0805 0.0721 0.0841
418
                                  0.5581 0.5416 0.5442 0.5573 0.0781 0.0748 0.0769 0.0778
               (2,1)
                          (2,1)
419
               (5,1)
                          (5,1)
                                  0.4619 0.4663 0.4907 0.4636 0.0874 0.0825 0.0751 0.0871
                          (10,1) 0.5173 0.5274 0.5157 0.5180 0.0637 0.0776 0.0614 0.0643
420
               (10,1)
421
               (1,.1)
                          (1,.1) 0.5156 0.5109 0.3460 0.5152 0.0807 0.0939 0.0633 0.0818
                          (1,.2) 0.4298 0.4553 0.4137 0.4293 0.1157 0.1039 0.1039 0.1162
422
              (1,.2)
423
               (1,.5)
                          (1,.5) 0.4818 0.4914 0.4878 0.4820 0.0814 0.0728 0.0750 0.0821
                                  0.4633 0.4576 0.4544 0.4635 0.0886 0.0889 0.0764 0.0881
424
               (1,1)
                          (1,1)
425
               (1.2)
                          (1,2)
                                  0.4854 0.4941 0.4800 0.4881 0.0773 0.0712 0.0682 0.0764
                                  0.4968 0.5208 0.4936 0.4946 0.0841 0.0699 0.0824 0.0835
426
               (1,5)
                          (1,5)
427
                          (1,10) 0.4198 0.4300 0.4222 0.4197 0.0856 0.0849 0.0743 0.0864
               (1.10)
428 7 7
                          (.1,1) 0.5434 0.5424 0.4062 0.5439 0.0777 0.0865 0.0710 0.0778
               (.1,1)
                          (.2,1) 0.4898 0.4902 0.4340 0.4905 0.0856 0.0916 0.0662 0.0862
429
               (.2.1)
430
               (.5.1)
                          (.5,1) 0.5407 0.5388 0.5564 0.5400 0.0837 0.0841 0.0756 0.0822
                                  0.4878 0.4872 0.4950 0.4885 0.0593 0.0576 0.0620 0.0606
431
               (1,1)
                          (1.1)
432
                                  0.5748 0.5739 0.5676 0.5774 0.0704 0.0703 0.0644 0.0699
               (2,1)
                          (2,1)
433
               (5,1)
                          (5,1)
                                  0.5321 0.5335 0.5311 0.5344 0.0913 0.0920 0.0905 0.0915
434
                          (10,1) 0.5519 0.5493 0.5372 0.5527 0.0907 0.0939 0.0879 0.0915
               (10,1)
435
               (1,.1)
                          (1,.1) 0.5175 0.5179 0.3557 0.5200 0.0821 0.0893 0.0509 0.0817
436
                          (1,.2) 0.5036 0.4961 0.4797 0.5004 0.0647 0.0684 0.0568 0.0658
               (1,.2)
437
               (1,.5)
                          (1,.5) 0.4761 0.4767 0.4765 0.4752 0.0795 0.0792 0.0720 0.0800
438
               (1,1)
                          (1,1)
                                  0.5272 0.5282 0.5266 0.5263 0.1035 0.1028 0.0942 0.1046
439
                                  0.5288 0.5281 0.5159 0.5301 0.0849 0.0841 0.0808 0.0848
               (1,2)
                          (1.21
                                  0.5285 0.5279 0.5143 0.5297 0.0852 0.0857 0.0757 0.0855
440
               (1,5)
                          (1,5)
               (1,10)
                          11,10) 0.4391 0.4307 0.4691 0.4388 0.0788 0.0811 0.0659 0.0800
442 7 5
                                  0.9618 0.8972 0.9703 0.9616 0.0056 0.0149 0.0023 0.0061
               (.1,1)
                          (1.11)
443
                                  0.8734 0.7685 0.8987 0.8719 0.0372 0.0482 0.0197 0.0373
```

このこののない。 というのうのない 一名ののののののの コンファン・シー・マンフ

444			(.5,1)	0.6859 0.6754 0.6943 0.6871 0.0618 0.0422 0.0508 0.0617
445			(1,1)	0.5530 0.5343 0.5514 0.5547 0.0802 0.0636 0.0717 0.0812
446			(2,1)	0.2050 0.2767 0.2375 0.2067 0.0431 0.0356 0.0478 0.0432
447			(5,1)	0.0631 0.1284 0.1026 0.0616 0.0122 0.0277 0.0248 0.0116
			=	
448			(10,1)	0.0196 0.0770 0.0370 0.0207 0.0016 0.0124 0.0063 0.0016
449			(1,.1) (1	0.5125 0.4820 0.4170 0.5162 0.0856 0.0693 0.0766 0.0849
450			(1,.2)	0.5310 0.5563 0.5364 0.5333 0.0688 0.0694 0.0486 0.0685
451			(1,.5)	0.5301 0.5202 0.5402 0.5311 0.0715 0.0698 0.0591 0.0705
452			(1,1)	0.5648 0.5852 0.5724 0.5652 0.1017 0.0647 0.0937 0.1000
453			(1,2)	0.5373 0.5169 0.5481 0.5383 0.0794 0.0726 0.0592 0.0796
454			(1,5)	0.4702 0.5001 0.4409 0.4692 0.0684 0.0647 0.0605 0.0689
455			(1,10)	0.4599 0.4785 0.4829 0.4615 0.0968 0.0583 0.0789 0.0973
456	-		())) ()	
456	7	0	(.1,1) (1)	
457			(.2,1)	0.9408 0.9207 0.9495 0.9416 0.0139 0.0167 0.0102 0.0139
45 8			(.5,1)	0.7234 0.6846 0.7327 0.7216 0.0606 0.0663 0.0536 0.0600
459			(1,1)	0.4741 0.4778 0.4757 0.4724 0.0844 0.0805 0.0721 0.0841
460			(2,1)	0.2674 0.2943 0.3015 0.2684 0.0706 0.0687 0.0650 0.0712
461			(5,1)	0.0529 0.0746 0.0662 0.0532 0.0151 0.0191 0.0192 0.0151
462				0.0067 0.0210 0.0112 0.0074 0.0001 0.0006 0.0002 0.0001
402			(10,1)	0.0007 0.0210 0.0112 0.0074 0.0001 0.0008 0.0002 0.0001
463			(1,.1) (1	0.5156 0.5109 0.3460 0.5152 0.0807 0.0939 0.0633 0.0818
464			(1,.2)	0.4298 0.4553 0.4137 0.4293 0.1157 0.1039 0.1039 0.1162
465			(1,.5)	0.4818 0.4914 0.4878 0.4820 0.0814 0.0728 0.0750 0.0821
466			(1,1)	0.4633 0.4576 0.4544 0.4635 0.0886 0.0889 0.0764 0.0881
				0.4854 0.4941 0.4800 0.4881 0.0773 0.0712 0.0682 0.0764
467			(1,2)	
468			(1,5)	0.4968 0.5208 0.4936 0.4946 0.0841 0.0699 0.0824 0.0835
469			(1,10)	0.4198 0.4300 0.4222 0.4197 0.0856 0.0849 0.0743 0.0864
470	-	7	(.1,1) (1	0.9827 0.9829 0.9879 0.9825 0.0008 0.0008 0.0003 0.0008
	•	,		
471			(.2,1)	0.9299 0.9295 0.9376 0.9295 0.0105 0.0107 0.0095 0.0104
472			(.5,1)	0.7887 0.7881 0.7952 0.7871 0.0528 0.0525 0.0523 0.0537
473			(1,1)	0.4878 0.4872 0.4950 0.4885 0.0593 0.0576 0.0620 0.0606
474			(2,1)	0.2362 0.2366 0.2532 0.2390 0.0444 0.0441 0.0442 0.0436
475			(5,1)	0.0464 0.0458 0.0820 0.0481 0.0070 0.0071 0.0185 0.0073
476			(10,1)	0.0115 0.0112 0.0254 0.0124 0.0008 0.0005 0.0054 0.0007
477			(1,.1)	0.5175 0.5179 0.3557 0.5200 0.0821 0.0893 0.0509 0.0817
478			(1,.2)	0.5036 0.4961 0.4797 0.5004 0.0647 0.0684 0.0568 0.0658
479			(1,.5)	0.4761 0.4767 0.4765 0.4752 0.0795 0.0792 0.0720 0.0800
480			(1,1)	0.5272 0.5282 0.5266 0.5263 0.1035 0.1028 0.0942 0.1046
481			(1,2)	0.5288 0.5281 0.5159 0.5301 0.0849 0.0841 0.0808 0.0848
482			•	0.5285 0.5279 0.5143 0.5297 0.0852 0.0857 0.0757 0.0855
			(1,5)	
483			(1,10)	0.4391 0.4307 0.4691 0.4388 0.0788 0.0811 0.0659 0.0800
484	7	5	CHI(1) CHI(1)	0.4570 0.4465 0.4705 0.4564 0.0756 0.0789 0.0671 0.0755
485			(2) (2)	0.5609 0.5495 0.5673 0.5603 0.0821 0.0870 0.0743 0.0825
486			(5) (5)	0.5465 0.5433 0.5418 0.5447 0.0750 0.0761 0.0651 0.0754
487			(10) (10	0.4986 0.4930 0.4926 0.4973 0.0743 0.0741 0.0678 0.0745
488			(1) (1)	0.4876 0.4804 0.5131 0.4873 0.0957 0.0994 0.0782 0.0959
489			(2)	0.2116 0.2149 0.2089 0.2122 0.0648 0.0645 0.0487 0.0644
490			(5)	0.0228 0.0276 0.0259 0.0241 0.0023 0.0016 0.0018 0.0025
491			(10)	0.0018 0.0016 0.0022 0.0025 0.0000 0.0000 0.0000 0.0000
492	7	6	$(1) \qquad (1)$	0.4992 0.4977 0.4943 0.4999 0.0784 0.0847 0.0654 0.0789
493			(2) (2)	0.5253 0.5204 0.5240 0.5254 0.0931 0.0979 0.0817 0.0942
494			(5) (5)	0.5241 0.5198 0.5329 0.5269 0.0941 0.0952 0.0910 0.0936
495			(10) (10	0.4936 0.4925 0.5105 0.4931 0.0732 0.0740 0.0660 0.0722
496			(2)	A E700 A ECDI A E670 A E400 A ABIE A G860 A A757 A AAII
			$(1) \qquad (1)$	0.5700 0.5581 0.5430 0.5689 0.0815 0.0888 0.0757 0.0811
497			(2)	0.2864 0.2836 0.2541 0.2870 0.0488 0.0493 0.0371 0.0477
498			(5)	0.0219 0.0255 0.0182 0.0226 0.0024 0.0024 0.0015 0.0027
499			(10)	0.0012 0.0010 0.0014 0.0020 0.0000 0.0000 0.0000 0.0000
500				0 (00) 0 (00) 0 5001 0 (000 0 0000 0 0000 0 0010 0 0010
	7	7	(1) (1)	
	7	7	$(1) \qquad (1)$	0.4906 0.4884 0.5021 0.4889 0.0842 0.0890 0.0832 0.0832
501 502	7	7	(1) (1) (2) (2) (5) (5)	0.4995 0.4969 0.4960 0.5041 0.0871 0.0912 0.0733 0.0860 0.4954 0.4456 0.4568 0.4445 0.0782 0.0781 0.0774 0.0780

503			(10)	(10)	0 5141	0 5112	0 5314	0.5176	0 0027	0 0034	0 0754	0 0922
303			(10)	(10)	0.3141	0.3116	0.3314	0.31/6	0.0733	0.0734	0.075	0.0722
504			(1)	(1)				0.5405				
505			(2)					0.1840				
506			(5)					0.0094				
507			(10)		0.000	0.0004	0.000	0.0016	0.0000	0.0000	0.0000	0.0000
508	7	5	POIS(1) POIS	(1)	0.6204	0.5397	0.3303	0.6214	0.0914	0.0979	0.0695	0.0896
509				(2)				0.5138				
510				(5)				0.4834				
511			(10)	(10)	0.5735	0.5430	0.4785	0.5747	0.0812	0.0825	0.0675	0.0816
512			(1)	(1)	0.8838	0.8428	0.6405	0.8828	0.0247	0.0338	0.0682	0.0252
513			(2)		0.5776	0.5133	0.3505	0.5833	0.0856	0.0942	0.0884	0.0842
514			(5)		0.0518	0.0429	0.0269	0.0541	0.0143	0.0112	0.0058	0.0147
515			(10)		0.0019	0.0006	0.0016	0.0027	0.0000	0.0000	0.0000	0.0000
516	7	6	(1)	(1)	0.6185	0.5408	0.2839	0.6165	0.0772	0.0839	0.0667	0.0776
517	•	•		(2)				0.5752				
518				(5)				0.5174				
519			(10)	(10)	0.5803	0.5558	0.4794	0.5602	0.0915	0.0930	0.0793	0.0933
520			(1)	(1)	0	0 8486	0 4774	0.8889	0 0240	0 0744	0 0704	0 0250
521			(2)	(1)		-	_	0.5361				
522			(5)					0.0288				
523			(10)					0.0025				
	_	_				.						
524	7	7		(1)				0.4916				
52 5 526			_	(2) (5)				0.5220				
527				(10)				0.5954				
528				(1)		-		0.9062	_	_	-	-
E 2 0			191		A F474	0 E014	A 711A	A E477	A A TAR		A 4575	A A71E
529 530			[2]			0.5036			-			
530			(5)		0.0186	0.0142	0.0107	0.0202	0.0010	0.0006	0.0004	0.0011
					0.0186	0.0142	0.0107		0.0010	0.0006	0.0004	0.0011
530 531 532	7	5	(5) (10) BIN(10,.1) BIN	•	0.0186 0.0004 0.5763	0.0142 0.0001 0.4839	0.0107 0.0004 0.2782	0.0202 0.0014 0.5799	0.0610 0.0000 0.0927	0.0006 0.0000 0.0947	0.0004 0.0000 0.0704	0.0011 0.0000 0.045
530 531 532 533	7	5	(5) (10) BIN(10,.1) BIN (10,.2)	(10,.2)	0.0186 0.0004 0.5763 0.5463	0.0142 0.0001 0.4839 0.5050	0.0107 0.0004 0.2782 0.3276	0.0202 0.0014 0.5799 0.5455	0.0610 0.0000 0.0927 0.1092	0.0006 0.0000 0.0947 0.1104	0.0004 0.0000 0.0704 0.0752	0.0011 0.0000 0.045 0.1064
530 531 532 533 534	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3)	(10,.2) (10,.3)	0.0186 0.0004 0.5763 0.5663 0.5948	0.0142 0.0001 0.4839 0.5050 0.5356	0.0107 0.0004 0.2782 0.3276 0.3776	0.0202 0.0014 0.5799 0.5655 0.5967	0.0010 0.0000 0.0927 0.1092 0.0767	0.0006 0.0000 0.0947 0.1104 0.0755	0.0004 0.0000 0.0704 0.0752 0.0607	0.0011 0.0000 0.0945 0.1064 0.0768
530 531 532 533 534 535	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4)	(10,.2) (10,.3) (10,.4)	0.0186 0.0004 0.5763 0.5663 0.5948 0.5423	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482	0.0202 0.0014 0.5799 0.5655 0.5967 0.5696	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724	0.0006 0.0000 0.0947 0.1104 0.0758 0.0737	0.0004 0.0000 0.0706 0.0732 0.0607 0.0690	0.0011 0.0000 0.0%5 0.10% 0.0768 0.0753
530 531 532 533 534 535 536	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5)	(10,.2) (10,.3) (10,.4) (10,.5)	0.0186 0.0004 0.5763 0.5663 0.5948 0.5423 0.6085	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5679	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116	0.0610 0.0000 0.0927 0.1092 0.0767 0.0724 0.0617	0.0006 0.0000 0.0947 0.1104 0.0758 0.0737 0.0853	0.0004 0.0000 0.0706 0.0752 0.0607 0.0600	0.0011 0.0000 0.0%5 0.10% 0.0768 0.0733 0.0825
530 531 532 533 534 535	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6)	(10,.2) (10,.3) (10,.4)	0.0186 0.0004 0.5763 0.5463 0.5423 0.605 0.5207	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5679 0.4672	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284	0.0202 0.0014 0.5799 0.5655 0.5967 0.5696	0.0610 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985	0.0006 0.0000 0.0947 0.1104 0.0755 0.0737 0.0653 0.0944	0.0004 0.0000 0.0796 0.0752 0.0607 0.0600 0.0760	0.0011 0.0000 0.0%5 0.100% 0.0768 0.0753 0.0625 0.076
530 531 532 533 534 535 536 537	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6)	0.0186 0.0004 0.5763 0.5463 0.5423 0.6085 0.5207 0.5510	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5679 0.4672	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.5335	0.0202 0.0014 0.5799 0.5455 0.5967 0.5406 0.6116 0.5201	0.0610 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707	0.0006 0.0000 0.0947 0.1104 0.0755 0.0737 0.0853 0.0944 0.0714	0.0004 0.0000 0.0706 0.0752 0.0607 0.0640 0.0760 0.0655	0.0011 0.0000 0.0%5 0.1006 0.0768 0.0733 0.0825 0.0776 0.0715
530 531 532 533 534 535 536 537 538	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7)	0.0186 0.0004 0.5763 0.5463 0.5423 0.6085 0.5207 0.5510 0.6245	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5679 0.4672 0.4847	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.5335 0.3591	0.0202 0.0014 0.5799 0.5455 0.5967 0.5406 0.6116 0.5201 0.5522	0.0610 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.0748	0.0006 0.0000 0.0447 0.1104 0.0755 0.0737 0.0853 0.0444 0.0714	0.0004 0.0000 0.0752 0.0607 0.0640 0.0760 0.0655 0.0622 0.0702	0.0011 0.0000 0.0%5 0.100% 0.0753 0.0625 0.0775 0.0755
530 531 532 533 534 535 536 537 538 539	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7) (10,.8) (10,.9)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9)	0.0186 0.0004 0.5763 0.5663 0.5948 0.5623 0.6085 0.5207 0.5510 0.6245 0.5659	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.4708	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640	0.0202 0.0014 0.5799 0.5455 0.5947 0.5404 0.6116 0.5201 0.5522 0.6287 0.5484	0.0610 0.0000 0.0927 0.1092 0.0767 0.0817 0.0865 0.0707 0.0868	0.0006 0.0000 0.0447 0.1104 0.0755 0.0737 0.0853 0.0444 0.0714 0.0770 0.0851	0.0004 0.0000 0.0796 0.0752 0.0607 0.0600 0.0760 0.0655 0.0622 0.0702 0.0553	0.0011 0.0000 0.0%5 0.1006 0.0768 0.0753 0.0625 0.0775 0.0755 0.0755
530 531 532 533 534 535 536 537 538 539	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7) (10,.8) (10,.9)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8)	0.0186 0.0004 0.5763 0.5663 0.5948 0.5423 0.6085 0.5207 0.5510 0.6265 0.5659	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5796	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640	0.0202 0.0014 0.5799 0.5455 0.5967 0.5496 0.6116 0.5201 0.5522 0.6287	0.0610 0.0900 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.0748 0.0846	0.0006 0.0000 0.0947 0.1104 0.0755 0.0737 0.0853 0.0944 0.0714 0.0714 0.0851	0.0004 0.0000 0.0752 0.0475 0.0690 0.0760 0.0655 0.0622 0.0702 0.0553	0.0011 0.0000 0.0965 0.1066 0.0768 0.0753 0.0625 0.0715 0.0755 0.0853
530 531 532 533 534 535 536 537 538 539 540	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6; (10,.7) (10,.8) (10,.9)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9)	0.0186 0.0004 0.5763 0.5663 0.5968 0.5923 0.6085 0.5207 0.5510 0.6245 0.5659	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5708	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640	0.0202 0.0014 0.5799 0.5455 0.5404 0.6116 0.5201 0.5822 0.6287 0.5464	0.0610 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.985 0.0707 0.0748 0.0866	0.0006 0.0000 0.0007 0.1100 0.0755 0.0737 0.0653 0.0000 0.0714 0.0770 0.0851	0.0004 0.0000 0.0706 0.0752 0.0600 0.0760 0.0655 0.0622 0.0702 0.0553	0.0011 0.0000 0.0945 0.1064 0.0768 0.0753 0.0825 0.0776 0.0715 0.0755 0.0853
530 531 532 533 534 535 536 537 538 539 540 541 542 543 544	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.5) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5)	0.0186 0.0004 0.5763 0.5463 0.5463 0.5085 0.5207 0.5510 0.6245 0.5659	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5737 0.5151 0.5737	0.0107 0.0004 0.2782 0.3276 0.3776 0.3462 0.4197 0.3284 0.5335 0.3591 0.2640 0.3247 0.3750 0.4526	0.0202 0.0014 0.5799 0.5455 0.5967 0.6116 0.5201 0.5522 0.6287 0.5666 0.6162 0.6162 0.6168	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0983 0.0707 0.0748 0.0846 0.0671 0.0803 0.0674	0.0006 0.0000 0.0947 0.1104 0.0755 0.0737 0.0653 0.0714 0.0770 0.0851 0.0696 0.0007 0.0696	0.0004 0.0000 0.0706 0.0752 0.0600 0.0760 0.0760 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0605 0.0605	0.0011 0.0000 0.0945 0.1064 0.0753 0.0755 0.0755 0.0755 0.0853 0.0853 0.0853
530 531 532 533 534 535 536 537 538 539 540 541 542 543	7	5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6! (10,.7! (10,.8) (10,.9) (5,.5! (10,.5) (20,.5!	(10,.2) (10,.3) (10,.4) (10,.5) (10,.5) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5)	0.0186 0.0004 0.5763 0.5463 0.5463 0.5085 0.5207 0.5510 0.6245 0.5659	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5737 0.5151 0.5737	0.0107 0.0004 0.2782 0.3276 0.3776 0.3462 0.4197 0.3284 0.5335 0.3591 0.2640 0.3247 0.3750 0.4526	0.0202 0.0014 0.5799 0.5455 0.5967 0.6116 0.5201 0.5522 0.6287 0.5666 0.6162 0.6162 0.6168	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0983 0.0707 0.0748 0.0846 0.0671 0.0803 0.0674	0.0006 0.0000 0.0947 0.1104 0.0755 0.0737 0.0653 0.0714 0.0770 0.0851 0.0696 0.0007 0.0696	0.0004 0.0000 0.0706 0.0752 0.0600 0.0760 0.0760 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0605 0.0605	0.0011 0.0000 0.0945 0.1064 0.0753 0.0755 0.0755 0.0755 0.0853 0.0853 0.0853
530 531 532 533 534 535 536 537 538 539 540 541 542 543 544		5	(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.5) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5)	0.0186 0.0004 0.5763 0.5463 0.5423 0.6085 0.5207 0.5510 0.6245 0.5659 0.6134 0.6092 0.5353 0.4912	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5679 0.4647 0.5524 0.4706 0.5295 0.5151 0.5737 0.4730	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.5335 0.3591 0.2640 0.3247 0.3750 0.4526 0.4505 0.4175	0.0202 0.0014 0.5794 0.5455 0.5466 0.6116 0.5201 0.5522 0.6287 0.5666 0.6162 0.6162 0.6162 0.6164 0.5342	0.0610 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0983 0.0707 0.0748 0.0864 0.0671 0.0803 0.0674 0.0825 0.0794	0.0006 0.0000 0.0947 0.1104 0.0755 0.0737 0.0853 0.0714 0.0714 0.0770 0.0851 0.0694 0.0004	0.0004 0.0000 0.0752 0.0670 0.0670 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0605 0.0654	0.0011 0.0000 0.0965 0.1066 0.0753 0.0825 0.0755 0.0755 0.0853 0.0853
530 531 532 533 534 535 536 537 538 539 540 541 542 543 544			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.7) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (50,.5) (100,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (50,.5) (100,.5)	0.0186 0.0004 0.5763 0.5663 0.5948 0.5423 0.6085 0.5207 0.5510 0.6245 0.5459 0.6134 0.5663 0.6092 0.5353 0.6912	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4687 0.55295 0.5151 0.5737 0.5737 0.4730	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640 0.3247 0.3750 0.4505 0.4505 0.4505	0.0202 0.0014 0.5794 0.5455 0.5466 0.6116 0.5201 0.5522 0.6287 0.5666 0.6162 0.6162 0.6162 0.6164 0.5342	0.0610 0.0900 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.0748 0.0846 0.0671 0.0803 0.0674 0.0825 0.0796	0.0006 0.0000 0.0947 0.1104 0.0755 0.0737 0.0853 0.0944 0.0714 0.0770 0.0851 0.0694 0.0694 0.0694	0.0004 0.0000 0.0752 0.0400 0.0752 0.0690 0.0760 0.0762 0.0702 0.0553 0.0618 0.0605 0.0656 0.0656	0.0011 0.0000 0.0965 0.1066 0.0768 0.0753 0.0625 0.0755 0.0755 0.0853 0.0633 0.0633 0.0775 0.0853
530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.5) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5) (100,.5)	0.0186 0.0004 0.5763 0.5663 0.5663 0.5683 0.6085 0.5207 0.5510 0.6245 0.5659 0.6134 0.5683 0.6092 0.5353 0.6092 0.5353 0.6092	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5151 0.5737 0.5151 0.4730	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640 0.3750 0.4526 0.4505 0.4175	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5686 0.6162 0.5686 0.6162 0.5342 0.4911	0.0610 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.985 0.0707 0.0748 0.0866 0.0671 0.0803 0.0674 0.0827 0.0827 0.0673 0.0784	0.0006 0.0000 0.0007 0.1100 0.0755 0.0737 0.0653 0.0000 0.0714 0.0770 0.0851 0.0600 0.	0.0004 0.0000 0.0706 0.0752 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0654 0.0654 0.0654 0.0654	0.0011 0.0000 0.0945 0.1064 0.0758 0.0758 0.0755 0.0755 0.0755 0.0853 0.0635 0.0625 0.0775 0.0853
530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 544 545			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.5) (10,.7) (10,.8) (10,.5) (20,.5) (10,.5) (100,.5) (100,.5) (100,.5) (100,.5) (100,.2) (10,.3) (10,.3)	0.0186 0.0004 0.5763 0.5663 0.5968 0.5423 0.6085 0.5207 0.5510 0.6245 0.5659 0.6134 0.5683 0.6092 0.5353 0.4912	0.0142 0.0001 0.4839 0.5050 0.5558 0.4826 0.5579 0.4672 0.4847 0.5524 0.5151 0.5151 0.5737 0.4730 0.4730	0.0107 0.0004 0.2782 0.3276 0.3776 0.3402 0.4197 0.3284 0.3335 0.3591 0.2640 0.3247 0.4526 0.4505 0.4505 0.4578 0.2580 0.3591	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5686 0.6162 0.6162 0.6168 0.	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.0748 0.0866 0.0671 0.0803 0.074 0.0825 0.0796 0.0789 0.0789 0.0789	0.0006 0.0000 0.0007 0.1100 0.0755 0.0737 0.0653 0.0000 0.0714 0.0770 0.0851 0.0606 0.0610 0.0606 0.0610 0.0606	0.0004 0.0000 0.0706 0.0752 0.0600 0.0760 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0654 0.0654 0.0654 0.0654 0.0654 0.0664 0.0664 0.0667 0.0667 0.0667 0.0667 0.0667	0.0011 0.0000 0.0945 0.1064 0.0768 0.0753 0.0755 0.0755 0.0755 0.0853 0.0633 0.0633 0.0633 0.0633 0.0634 0.0634 0.0634 0.0634 0.0776
530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5) (100,.5) (100,.5)	0.0186 0.0004 0.5763 0.5663 0.5968 0.5207 0.5510 0.6245 0.5659 0.6134 0.5683 0.6092 0.5353 0.6712	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.4579 0.4672 0.4677 0.5524 0.4708 0.5151 0.5737 0.5107 0.4730 0.4611 0.5692 0.4300 0.4310 0.4827	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.5335 0.3591 0.2640 0.3247 0.3750 0.4526 0.4505 0.4575 0.2580 0.3907 0.2578 0.2578 0.2935 0.3497	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5666 0.6162 0.5342 0.4911 0.5297 0.5666 0.5490 0.5490 0.5490 0.5480 0.5480	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.0748 0.0846 0.0671 0.0825 0.0796 0.0827 0.0825 0.0789 0.06789 0.06789	0.0006 0.0000 0.0007 0.1100 0.0755 0.0737 0.0653 0.0070 0.0716 0.0770 0.0851 0.0606 0.0619 0.0623 0.0623 0.0623 0.0636 0.0623 0.0636 0.	0.0004 0.0000 0.0706 0.0752 0.0600 0.0760 0.0655 0.0622 0.0702 0.0553 0.0618 0.0605 0.0654 0.0564 0.0564 0.0564 0.0567	0.0011 0.0000 0.0945 0.1064 0.0753 0.0625 0.0755 0.0755 0.0755 0.0853 0.0633 0.0633 0.0633 0.0634 0.0725 0.0725 0.0824 0.0725 0.0725
530 531 532 533 534 535 536 537 538 539 540 542 543 544 545 545 544 545 546 547 548			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (10,.5) (100,.5) (100,.5) (100,.5) (100,.5) (100,.6) (10,.6)	0.0186 0.0004 0.5763 0.5463 0.5948 0.5423 0.4085 0.5207 0.5510 0.6245 0.5459 0.6134 0.5459 0.5353 0.4912 0.5547 0.4970 0.4861 0.5371 0.4099	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5737 0.5107 0.4730 0.4411 0.5692 0.4300 0.4310 0.4827 0.5620	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640 0.3247 0.3750 0.4505 0.	0.0202 0.0014 0.5799 0.5455 0.5466 0.6116 0.5201 0.5522 0.6287 0.5666 0.6162 0.5342 0.4911 0.5297 0.6568 0.6168 0.	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.0748 0.0846 0.0671 0.0825 0.0796 0.0627 0.0627 0.0627 0.0625 0.0789 0.0652 0.0652	0.0006 0.0000 0.0947 0.1104 0.0755 0.0737 0.0853 0.0944 0.0770 0.0851 0.0696 0.0619 0.0823 0.0848 0.0823 0.0848 0.0823 0.0848 0.0823	0.0004 0.0000 0.0704 0.0732 0.0000 0.0760 0.0655 0.0022 0.0702 0.0553 0.0018 0.0056 0.	0.0011 0.0000 0.0945 0.1064 0.0753 0.0755 0.0755 0.0755 0.0853 0.0853 0.0853 0.0853 0.0853 0.0853 0.0853 0.0859 0.0756 0.0859 0.0756 0.0859 0.0756 0.0859 0.0756 0.0859
530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) :10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5) (100,.5) (100,.5)	0.0186 0.0004 0.5763 0.5663 0.5948 0.5923 0.6085 0.5207 0.5510 0.6245 0.6134 0.5663 0.6092 0.5353 0.6712 0.5299 0.6547 0.4970 0.4861 0.6094 0.6105	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4687 0.5524 0.5737 0.5151 0.5737 0.5151 0.5737 0.4730 0.4611 0.5692 0.4380 0.	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640 0.4505 0.	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5666 0.6162 0.5342 0.4911 0.5297 0.5666 0.5490 0.5490 0.5490 0.5480 0.5480	0.0010 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.748 0.0866 0.0671 0.0805 0.0774 0.0825 0.0774 0.0825 0.0774 0.0825 0.0774 0.0825 0.0778 0.0825 0.0789 0.0825 0.0789	0.0006 0.0000 0.0007 0.1100 0.0755 0.0737 0.0653 0.00710 0.0710 0.0851 0.0606 0.0607 0.0607 0.0606 0	0.0004 0.0706 0.0752 0.0400 0.0760 0.0655 0.0655 0.0653 0.0685	0.0011 0.0000 0.0965 0.1066 0.0768 0.0753 0.0025 0.0755 0.0755 0.0853 0.0653 0.0653 0.0659 0.0776 0.0859 0.0859 0.0776 0.0859 0.0776 0.0859
530 531 532 533 534 535 536 537 538 539 540 542 543 544 545 546 547 548 549 550 551			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.6) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5) (10,.2) (10,.3) (10,.2) (10,.3) (10,.4) (10,.5)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (100,.5) (100,.5) (100,.5) (10,.3) (10,.4) (10,.6) (10,.6) (10,.6) (10,.6)	0.0186 0.0004 0.5763 0.5663 0.5948 0.5927 0.5510 0.6245 0.5659 0.6134 0.5663 0.6092 0.5353 0.4912 0.5379 0.4970 0.4861 0.5371	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5737 0.5151 0.5737 0.4730 0.4730 0.4310 0.4827 0.5692 0.5692 0.5692 0.5692 0.5692 0.5692 0.5692 0.5692	0.0107 0.0004 0.2782 0.3276 0.3776 0.3402 0.4197 0.3284 0.3335 0.3591 0.2640 0.3247 0.3750 0.4505 0.	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5686 0.6162 0.5342 0.6168 0.5342 0.6168 0.5342 0.6168 0.	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.0486 0.0671 0.0805 0.0746 0.0827 0.0827 0.0827 0.0827 0.0825 0.0789 0.0827 0.0825 0.0789 0.0827 0.0827 0.0825 0.0789	0.0006 0.0000 0.0007 0.1100 0.0755 0.0737 0.0653 0.0000 0.0710 0.0770 0.0651 0.0600 0.	0.0004 0.0000 0.0752 0.0400 0.0760 0.0760 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0656 0.0656 0.0656 0.0667 0.	0.0011 0.0000 0.0965 0.1066 0.0768 0.0753 0.0825 0.0776 0.0735 0.0853 0.0853 0.0823 0.
530 531 532 533 534 535 536 537 538 539 540 542 543 544 545 549 550 551 552 553 554			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5) (10,.1) (10,.2) (10,.3) (10,.4) (10,.6) (10,.6) (10,.6)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.5) (10,.7) (10,.8) (10,.9) (50,.5) (10,.5) (10,.5) (10,.1) (10,.2) (10,.3) (10,.4) (10,.6) (10,.6) (10,.6) (10,.6)	0.0186 0.0004 0.5763 0.5663 0.5663 0.5623 0.6085 0.5207 0.5510 0.6245 0.5659 0.6134 0.5683 0.6092 0.5353 0.6712 0.6547 0.6547 0.6547 0.6099 0.6105 0.6105 0.6219	0.0142 0.0001 0.4839 0.5050 0.5356 0.4826 0.5579 0.4672 0.4847 0.5524 0.5151 0.5737 0.5151 0.5737 0.4730 0.4730 0.4310 0.4827 0.5620 0.5620 0.56369 0.56369 0.56369 0.56369 0.56369 0.56316	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640 0.3750 0.4526 0.4505 0.4175 0.2578 0.3907 0.2578 0.3907 0.2578 0.3497 0.4157 0.3497 0.3497 0.3497	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5666 0.6162 0.5666 0.5162 0.6162 0.	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.985 0.0707 0.0866 0.0671 0.0803 0.0674 0.0866 0.0673 0.0673 0.0784 0.0852 0.0788 0.0863 0.0788 0.0788 0.0863 0.0788 0.0863 0.0788 0.0863 0.0863 0.0863 0.0863 0.0863 0.0863 0.0863 0.0863	0.0006 0.0000 0.0007 0.1000 0.0755 0.0737 0.0853 0.0000 0.0710 0.0750 0.0851 0.0007 0.0053 0.0000 0.00000 0.00000 0.000000 0.000000	0.0004 0.0706 0.0756 0.0750 0.0760 0.0760 0.0760 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0618 0.0654 0.0654 0.0654 0.0654 0.0654 0.0654 0.0654 0.0654 0.0654 0.0654 0.0654 0.0654 0.0654	0.0011 0.0000 0.0945 0.1066 0.0758 0.0758 0.0755 0.0755 0.0755 0.0853 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653 0.0653
530 531 532 533 534 535 536 537 538 539 540 542 543 544 545 545 544 545 546 550 551 552 553 555			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5) (10,.1) (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.6) (10,.6) (10,.6) (10,.6) (10,.6)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (10,.5) (10,.5) (10,.1) (10,.2) (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.6) (10,.7) (10,.7)	0.0186 0.0004 0.5763 0.5663 0.5663 0.5683 0.6085 0.5207 0.5510 0.6245 0.5659 0.6134 0.5683 0.6092 0.5353 0.6092 0.5547 0.6105 0.6105 0.6105 0.6219	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4647 0.5524 0.5151 0.5737 0.5151 0.5151 0.5737 0.4730 0.4730 0.4510 0.4611 0.4627 0.5642 0.5236 0.5236 0.5236 0.5236	0.0107 0.0004 0.2782 0.3276 0.3776 0.3402 0.4197 0.3284 0.3335 0.3591 0.2640 0.3247 0.3750 0.4526 0.4505 0.4575 0.2578 0.2578 0.2578 0.2578 0.3675	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5686 0.6162 0.5466 0.6162 0.5466 0.6162 0.5466 0.5342 0.4911 0.5297 0.4941 0.5789 0.4991 0.4866 0.4991 0.4866 0.4279 0.4560	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0985 0.0707 0.0748 0.0866 0.0671 0.0803 0.0674 0.0825 0.0796 0.0825 0.0798 0.0865 0.0789 0.0852 0.0789 0.0852 0.0852 0.0852 0.0852 0.0852 0.0852	0.0006 0.0000 0.0007 0.1100 0.0755 0.0737 0.0653 0.0000 0.0714 0.0770 0.0651 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600 0.0600	0.0004 0.0706 0.0752 0.0655 0.0653 0.0618 0.0654 0.0654 0.0564 0.0565 0.0657 0.0657 0.0657 0.0657 0.0657	0.0011 0.0000 0.0945 0.1064 0.0768 0.0753 0.0825 0.0776 0.0755 0.0853 0.0853 0.0853 0.0829 0.0829 0.0829 0.0829 0.0829 0.0850 0.0850 0.0850 0.0950 0.0950
530 531 532 533 534 535 536 537 538 539 540 542 543 544 545 549 550 551 552 553 554			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5) (10,.1) (10,.2) (10,.3) (10,.4) (10,.6) (10,.6) (10,.6)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.5) (10,.7) (10,.8) (10,.9) (50,.5) (10,.5) (10,.5) (10,.1) (10,.2) (10,.3) (10,.4) (10,.6) (10,.6) (10,.6) (10,.6)	0.0186 0.0004 0.5763 0.5663 0.5968 0.5923 0.6085 0.5207 0.5510 0.6245 0.5659 0.6134 0.5683 0.6092 0.5353 0.6712 0.5299 0.6547 0.6547 0.6105 0.6219	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5737 0.5107 0.4730 0.4611 0.	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.3335 0.3591 0.2640 0.3247 0.3750 0.4526 0.4505 0.4575 0.2578 0.2578 0.2578 0.3497 0.2675 0.3622 0.36275 0.36275 0.3675	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5666 0.6162 0.5666 0.5162 0.6162 0.	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0983 0.0707 0.0748 0.0846 0.0671 0.0803 0.0774 0.0825 0.0774 0.0825 0.0778 0.0827 0.0825 0.0784 0.0827 0.0825 0.0784 0.0827 0.0825 0.0784 0.0827	0.0006 0.0000 0.0007 0.1100 0.0755 0.0755 0.0710 0.0710 0.0710 0.0851 0.0007 0.0007 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0004 0.0706 0.0752 0.0607 0.0655 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0656 0.0656 0.0656 0.0656 0.0656 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666	0.0011 0.0000 0.0945 0.1064 0.0753 0.0825 0.0775 0.0715 0.0755 0.0755 0.0853 0.0825 0.
530 531 532 533 534 535 536 537 538 539 540 542 543 544 545 545 544 550 551 552 553 554			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (20,.5) (100,.5) (100,.5) (10,.1) (10,.2) (10,.3) (10,.4) (10,.5) (10,.4) (10,.5) (10,.6) (10,.6) (10,.7) (10,.8) (10,.9)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (10,.5) (100,.5) (100,.5) (100,.5) (100,.5) (100,.6)	0.0186 0.0004 0.5763 0.5663 0.5968 0.5207 0.5510 0.6245 0.5659 0.6134 0.5663 0.6092 0.5353 0.6712 0.5299 0.6547 0.4661 0.5371 0.6099 0.613571 0.6099 0.6547 0.6105 0.6105	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5737 0.5107 0.4730 0.4411 0.4827 0.4380 0.4310 0.4475 0.5536	0.0107 0.0004 0.2782 0.3276 0.3776 0.3482 0.4197 0.3284 0.5335 0.3591 0.2640 0.3247 0.3750 0.4505 0.	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5666 0.6162 0.5342 0.4911 0.5297 0.5666 0.5789 0.6168 0.5789 0.6168 0.	0.0010 0.0000 0.0927 0.1092 0.0767 0.0724 0.0817 0.0788 0.0707 0.0748 0.0866 0.0671 0.0805 0.0774 0.0825 0.0774 0.0825 0.0778 0.0827 0.0825 0.0788 0.0837 0.0825 0.0788 0.0837 0.0825 0.0827 0.0827 0.0825 0.0827 0.0825 0.0827 0.0828	0.0006 0.0000 0.0007 0.1100 0.0755 0.0757 0.0653 0.0000 0.0710 0.0770 0.0651 0.0600 0.0778 0.0600	0.0004 0.0706 0.0732 0.0600 0.0752 0.0655 0.0622 0.0702 0.0553 0.0618 0.0618 0.0656 0.0656 0.0656 0.0656 0.0656 0.0656 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666	0.0011 0.0000 0.0945 0.1064 0.0753 0.0625 0.0735 0.0755 0.0755 0.0755 0.0853 0.0633 0.0633 0.0633 0.0634 0.0725 0.0725 0.0859 0.0725 0.0859 0.0725 0.0859
530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 544 550 551 552 553 554 555 556 557			(5) (10) BIN(10,.1) BIN (10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (10,.5) (10,.5) (10,.5) (10,.5) (10,.5) (10,.5) (10,.6)	(10,.2) (10,.3) (10,.4) (10,.5) (10,.6) (10,.7) (10,.8) (10,.9) (5,.5) (10,.5) (10,.5) (100,.5) (100,.5) (100,.5) (100,.6) (10,.6) (10,.6) (10,.6) (10,.6) (10,.7) (10,.6) (10,.7) (10,.7) (10,.7) (10,.7) (10,.7) (10,.7) (10,.7)	0.0186 0.0004 0.5763 0.5663 0.5663 0.5423 0.6085 0.5207 0.5510 0.6245 0.6245 0.633 0.6092 0.5353 0.4912 0.5373 0.6099 0.6105 0.5679 0.6105 0.5679 0.6105 0.5679	0.0142 0.0001 0.4839 0.5050 0.5358 0.4826 0.5579 0.4672 0.4847 0.5524 0.5737 0.5151 0.5737 0.4730 0.4310 0.4310 0.4310 0.4320 0.5236 0.5236 0.5236 0.5236 0.5236 0.5336	0.0107 0.0004 0.2782 0.3276 0.3776 0.3402 0.4197 0.3284 0.3335 0.3591 0.2640 0.3247 0.3750 0.4505 0.	0.0202 0.0014 0.5799 0.5655 0.5967 0.5406 0.6116 0.5201 0.5822 0.6287 0.5686 0.6162 0.5342 0.6168 0.	0.0010 0.0000 0.0000 0.0027 0.0767 0.0724 0.0817 0.0085 0.0707 0.0485 0.0770 0.0866 0.0671 0.0805 0.0774 0.0825 0.0774 0.0825 0.0774 0.0825 0.0774 0.0825 0.0784 0.0827 0.0825 0.0784 0.0825 0.	0.0006 0.0000 0.0007 0.1000 0.0755 0.0737 0.0853 0.0000 0.0710 0.0770 0.0851 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000	0.0004 0.0706 0.0752 0.0400 0.0760 0.0760 0.0655 0.0622 0.0702 0.0553 0.068 0.068 0.069	0.0011 0.0000 0.0965 0.1066 0.0768 0.0753 0.0825 0.0775 0.0853 0.0755 0.0853 0.0675 0.0853 0.0675 0.0859 0.0776 0.0859 0.0776 0.0859 0.0776 0.0859 0.0776 0.0859 0.

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560 7 7
                        (10,.1) 0.4986 0.4257 0.2067 0.5003 0.0957 0.0928 0.0441 0.0954
             (10,.1)
561
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                        (10,.2) 0.6077 0.5444 0.3357 0.6087 0.0778 0.0780 0.0458 0.0787
                        (10,.3) 0.5699 0.5149 0.3634 0.5691 0.0833 0.0852 0.0812 0.0843
562
             (10,.3)
563
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                        (10,.4) 0.5125 0.4622 0.3185 0.5138 0.0813 0.0806 0.0635 0.0815
             (10,.5)
                        (10,.5) 0.6209 0.5735 0.4085 0.6180 0.0813 0.0834 0.0765 0.0829
564
             (10,.6)
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                        (10,.6) 0.5317 0.4874 0.3652 0.5300 0.0976 0.1003 0.0934 0.0965
566
              (10,.7)
                        (10,.7) 0.5732 0.5189 0.3388 0.5769 0.0760 0.0767 0.0607 0.0757
             (10,.8)
                        (10,.8) 0.5588 0.5003 0.3367 0.5563 0.0853 0.0886 0.0731 0.0855
567
             (10,.9)
                        (10,.9) 0.6147 0.5318 0.2786 0.6154 0.0839 0.0879 0.0665 0.0846
568
             (5,.5)
569
                        (5,.5)
                                 0.5356 0.4603 0.2550 0.5384 0.0686 0.0644 0.0462 0.0688
                        (10,.5) 0.5494 0.4990 0.3530 0.5483 0.0779 0.0764 0.0640 0.0776
570
             (10,.5)
571
             (20,.5)
                        (20,.5) 0.6008 0.5659 0.4478 0.5972 0.0872 0.0891 0.0724 0.0871
             (50,.5)
                        (50,.5) 0.5862 0.5637 0.4801 0.5857 0.0940 0.0948 0.0873 0.0946
572
573
             (100,.5)
                        (100,.5) 0.5149 0.4979 0.4454 0.5157 0.0869 0.0863 0.0773 0.0863
             (50,.1)
                        (50,.5) 1.0000 1.0000 0.9986 1.0000 0.0000 0.0000 0.0000 0.0000
             (50,.2)
575
                                 1.0000 0.9999 0.9985 1.0000 0.0000 0.0000 0.0000
576
             (50,.3)
                                 0.9996 0.9993 0.9972 0.9996 0.0000 0.0000 0.0000 0.0000
577
             (50,.4)
                                 0.9510 0.9452 0.9100 0.9508 0.0136 0.0148 0.0203 0.0140
578
             (50,.5)
                                 0.4830 0.4575 0.4198 0.4839 0.0705 0.0709 0.0672 0.0711
579
             150,.61
                                 0.0705 0.0607 0.0538 0.0731 0.0131 0.0113 0.0078 0.0136
580
             (50,.7)
                                 0.0022 0.0009 0.0019 0.0031 0.0000 0.0000 0.0000 0.0000
581
             (50,.8)
                                 0.0013 0.0000 0.0014 0.0023 0.0000 0.0000 0.0000 0.0000
582
             (50,.9)
                                 0.0013 0.0000 0.0014 0.0021 0.0000 0.0000 0.0000 0.0000
583
             (10,.5)
                        (50,.5) 1.0000 1.0000 0.9986 1.0000 0.0000 0.0000 0.0000
584
             (20,.5)
                                  1.0000 1.0000 0.9985 1.0000 0.0000 0.0000 0.0000
585
                                 0.9997 0.9994 0.9973 0.9997 0.0000 0.0000 0.0000 0.0000
              (30,.5)
                                 0.9734 0.9682 0.9464 0.9724 0.0017 0.0023 0.0044 0.0019
586
             (40..5)
587
             (50,.5)
                                 0.4821 0.4603 0.4029 0.4814 0.1019 0.1021 0.0822 0.1018
              (60,.5)
588
                                 0.1025 0.0918 0.0878 0.1032 0.0255 0.0222 0.0229 0.0259
589
             (70,.5)
                                 0.0060 0.0038 0.0053 0.0067 0.0001 0.0001 0.0001 0.0001
590
             (80,.5)
                                 0.0015 0.0002 0.0015 0.0025 0.0000 0.0000 0.0000 0.0000
591
             (90,.5)
                                 0.0013 0.0000 0.0014 0.0021 0.0000 0.0000 0.0000 0.0000
597
             (100,.5)
                                 0.0013 0.0000 0.0014 0.0024 0.0000 0.0000 0.0000 0.0000
593 7
             (50,.1)
                        (50,.5) 1.0000 1.0000 0.9994 1.0000 0.0000 0.0000 0.0000
             (50,.2)
                                 1.0000 1.0000 0.9993 1.0000 0.0000 0.0000 0.0000
595
             (50,.3)
                                 0.9985 0.9985 0.9952 0.9986 0.0000 0.0000 0.0001 0.0000
594
             150,.41
                                 0.9535 0.9467 0.9185 0.9531 0.0092 0.0109 0.0158 0.0095
597
             (50,.5)
                                 0.5030 0.4817 0.4236 0.5055 0.0873 0.0878 0.0840 0.0863
598
             (50,.6)
                                 0.0461 0.0394 0.0356 0.0465 0.0093 0.0078 0.0068 0.0091
599
             150,.71
                                 0.0019 0.0008 0.0018 0.0028 0.0000 0.0000 0.0000 0.0000
                                 0.0006 0.0000 0.0006 0.0017 0.0000 0.0000 0.0000 0.0000
600
             (50,.8)
601
             (50..9)
                                 0.0006 0.0000 0.0006 0.0014 0.0000 0.0000 0.0000 0.0000
602
             (10,.5)
                        (50,.5) 1.0000 1.0000 0.9994 1.0000 0.0000 0.0000 0.0000
603
             120,.51
                                 1.0000 1.0000 0.9994 1.0000 0.0000 0.0000 0.0000
             130,.51
404
                                 0.9995 0.9994 0.9973 0.9996 0.0000 0.0000 0.0000 0.0000
605
             140,.51
                                 0.9675 0.9618 0.9313 0.9690 0.0031 0.0039 0.0108 0.0032
• 26
             (50,.5)
                                 0.5574 0.5325 0.4605 0.5564 0.0780 0.0790 0.0665 0.0790
407
             160,.51
                                 0.0687 0.0625 0.0550 0.0698 0.0193 0.0175 0.0116 0.0190
608
             (70..5)
                                 0.0028 0.0016 0.0035 0.0036 0.0000 0.0000 0.0001 0.0000
609
             180,.51
                                 0.0006 0.0000 0.0006 0.0014 0.0000 0.0000 0.0000 0.0000
             (40,.5)
                                 0.0006 0.0000 0.0006 0.0014 0.0000 0.0000 0.0000 0.0000
610
             (100..5)
                                 0.0006 0.0000 0.0006 0.0016 0.0000 0.0000 0.0000 0.0000
611
             (50,.1)
612 7 7
                        ($0,.5) 1.0000 1.0000 0.9997 1.0000 0.0000 0.0000 0.0000
                                 1.0000 1.0000 0.9997 1.0000 0.0000 0.0000 0.0000
615
             (50,.2)
.14
             (50,.3)
                                 0.9996 0.9996 0.9979 0.9996 0.0000 0.0000 0.0000 0.0000
             150,.41
                                 0.9684 0.9641 0.9460 0.9686 0.0049 0.0059 0.0094 0.0045
-15
                                 0.5172 0.4945 0.4364 0.5165 0.0880 0.0896 0.0829 0.0870
.16
             150,.51
617
             150, 41
                                 0.0417 0.0358 0.0284 0.0429 0.0050 0.0040 0.0028 0.0052
                                 0.0006 0.0002 0.0006 0.0016 0.0000 0.0000 0.0000 0.0000
418
             (50, 7)
.1.
             150. 81
                                 0.0003 0.0000 0.0003 0.0013 0.0000 0.0000 0.0000 0.0000
620
             150,.91
                                  0.0003 0.0000 0.0003 0.0012 0.0000 0.0000 0.0000 0.0000
621
             (10.5)
                      (50, 5) 1.0000 1.0000 0.4997 1.0000 0.0000 0.0000 0.0000
```

```
(20,.5)
                                 1.0000 1.0000 0.9997 1.0000 0.0000 0.0000 0.0000
                                 0.9998 0.9998 0.9990 0.9999 0.0000 0.0000 0.0000 0.0000 0.9821 0.9787 0.9554 0.9822 0.0009 0.0012 0.0041 0.0010 0.5702 0.5468 0.4816 0.5689 0.0758 0.0761 0.0667 0.0762
              (30,.5)
623
624
              (40,.5)
625
              (50,.5)
              (60,.5)
626
                                 0.0390 0.0344 0.0368 0.0399 0.0048 0.0040 0.0044 0.0045
627
              (70,.5)
                                  0.0018 0.0010 0.0019 0.0026 0.0000 0.0000 0.0000 0.0000
                                 0.0004 0.0001 0.0005 0.0016 0.0000 0.0000 0.0000 0.0000
628
              (80,.5)
              (90,.5)
629
                                  0.0003 0.0000 0.0003 0.0012 0.0000 0.0000 0.0000 0.0000
630
              (100,.5)
                                   0.0003 0.0000 0.0003 0.0012 0.0000 0.0000 0.0000 0.0000
631 7 5
            GEOM(.1) GEOM(.1)
                                  0.4785 0.4681 0.4116 0.4798 0.0940 0.0949 0.0793 0.0927
632
                (.2)
                          (.2)
                                   0.5105 0.4738 0.4113 0.5101 0.0573 0.0579 0.0593 0.0571
                                   0.5725 0.5288 0.3701 0.5764 0.0858 0.0912 0.0724 0.0860
633
                (.3)
                          (.3)
634
                (.4)
                          (.4)
                                   0.6032 0.5468 0.3652 0.6044 0.0743 0.0849 0.0725 0.0752
635
                (.5)
                          (.5)
                                   0.5993 0.5207 0.2925 0.5992 0.0896 0.0907 0.0664 0.0908
636
                (.6)
                          (1.6)
                                   0.5527 0.4440 0.1683 0.5544 0.0629 0.0675 0.0335 0.0618
637
                                   0.6060 0.4554 0.1259 0.6068 0.0726 0.0796 0.0334 0.0704
                (.7)
                          (.7)
638
                (.8)
                          (.8)
                                   0.6728 0.4654 0.0627 0.6723 0.0815 0.0712 0.0077 0.0809
639
                (.9)
                          (.9)
                                   0.7414 0.4233 0.0377 0.7435 0.0728 0.0747 0.0074 0.0715
640
                (.1)
                          (.5)
                                   0.0533 0.0699 0.0297 0.0540 0.0129 0.0127 0.0042 0.0135
641
                (.2)
                                   0.1359 0.1179 0.0736 0.1396 0.0260 0.0193 0.0156 0.0256
642
                1.3)
                                   0.2910 0.2437 0.1423 0.2931 0.0509 0.0444 0.0299 0.0512
643
                1.4)
                                   0.3952 0.3305 0.1651 0.3961 0.0773 0.0722 0.0387 0.0769
644
                (.5)
                                   0.6066 0.5230 0.2921 0.6063 0.0831 0.0978 0.0796 0.0840
645
                (.6)
                                   0.7414 0.6731 0.3698 0.7424 0.0603 0.0737 0.0688 0.0606
646
                (.7)
                                   0.8103 0.7152 0.3556 0.8093 0.0355 0.0619 0.0672 0.0355
                                   0.8872 0.8253 0.3933 0.8880 0.0410 0.0498 0.0815 0.0415
647
                (.8)
648
                (.9)
                                   0.9622 0.8782 0.4922 0.9607 0.0061 0.0286 0.1332 0.0065
649 7 6
                (.1)
                          (.1)
                                   0.5375 0.5268 0.4777 0.5373 0.0674 0.0702 0.0703 0.0669
650
                                   0.4658 0.4403 0.3466 0.4658 0.0812 0.0830 0.0745 0.0824
                (.2)
                          (.2)
651
                (.3)
                          (.3)
                                   0.6138 0.5748 0.4211 0.6140 0.0812 0.0862 0.0808 0.0806
652
                (.4)
                          (.4)
                                   0.5450 0.4860 0.2656 0.5475 0.0769 0.0796 0.0442 0.0768
                                   0.4707 0.4089 0.1759 0.4654 0.0949 0.0928 0.0433 0.0950
653
                          (.5)
                (.5)
654
                (.6)
                          (.6)
                                   0.6424 0.5504 0.2232 0.6419 0.0761 0.0873 0.0496 0.0753
655
                                   0.5855 0.4457 0.1196 0.5848 0.0891 0.0868 0.0236 0.0889
                (.7)
                          (.7)
656
                (.8)
                          (.8)
                                   0.7246 0.5471 0.0846 0.7248 0.0763 0.0960 0.0166 0.0758
657
                (.9)
                          1.91
                                   0.7873 0.5023 0.0296 0.7878 0.0559 0.0834 0.0034 0.0562
658
                (.1)
                          (.5)
                                   0.0321 0.0383 0.0193 0.0347 0.0021 0.0016 0.0009 0.0024
659
                (.2)
                                   0.0899 0.0748 0.0458 0.0926 0.0134 0.0088 0.0076 0.0138
660
                                   0.1773 0.1428 0.0760 0.1773 0.0304 0.0215 0.0127 0.0297
                (3)
661
                                   0.4204 0.3648 0.1742 0.4190 0.0855 0.0807 0.0444 0.0860
                (.4)
662
                (.5)
                                   0.5264 0.4543 0.2466 0.5272 0.0796 0.0864 0.0752 0.0797
663
                (.6)
                                   0.7452 0.6767 0.3563 0.7434 0.0696 0.0835 0.0929 0.0691
664
                (.7)
                                   0.8914 0.8376 0.4790 0.8923 0.0251 0.0314 0.0784 0.0242
                                   0.9076 0.8345 0.4230 0.9083 0.0356 0.0486 0.1208 0.0359
665
                (.8)
666
                (.9)
                                   0.9509 0.8954 0.4042 0.9512 0.0067 0.0125 0.0800 0.0070
667 7 7
                (.1)
                                   0.5106 0.5027 0.4106 0.5117 0.0863 0.0862 0.0692 0.0855
                          (.1)
668
                (.2)
                          (.2)
                                   0.5386 0.5181 0.3814 0.5413 0.0927 0.0918 0.0642 0.0930
669
                (.3)
                          (.3)
                                   0.5782 0.5479 0.3780 0.5777 0.0740 0.0796 0.0569 0.0737
670
                          (.4)
                                   0.5798 0.5300 0.2911 0.5798 0.0740 0.0803 0.0545 0.0742
                1.4)
671
                (.5)
                          (.5)
                                   0.5376 0.4728 0.1980 0.5348 0.0733 0.0711 0.0283 0.0743
672
                                   0.5598 0.4811 0.1761 0.5605 0.0994 0.1034 0.0388 0.0994
                (.6)
                          1.6)
673
                (.7)
                          (.7)
                                   0.6437 0.5192 0.1322 0.6414 0.0837 0.0908 0.0314 0.0831
674
                (.8)
                          (.8)
                                   0.6848 0.5058 0.0380 0.6843 0.0937 0.0909 0.0050 0.0953
675
                          (.9)
                                   0.7275 0.4516 0.0091 0.7284 0.1000 0.0783 0.0004 0.0990
                (.9)
676
                (.1)
                          (.5)
                                   0.0188 0.0216 0.0085 0.0192 0.0012 0.0007 0.0002 0.0011
677
                (.2)
                                   0.1155 0.0998 0.0470 0.1159 0.0289 0.0261 0.0097 0.0281
678
                (.3)
                                   0.2977 0.2514 0.1367 0.3011 0.0732 0.0618 0.0306 0.0738
679
                                   0.4276 0.3749 0.2098 0.4248 0.0914 0.0868 0.0610 0.0900
                (.4)
580
                (.5)
                                   0.6304 0.5766 0.2972 0.6311 0.0765 0.0867 0.0725 0.0756
681
               (.6)
                                  0.6713 0.5979 0.2518 0.6715 0.0709 0.0769 0.0486 0.0705
682
                1.7)
                                  0.8234 0.7575 0.3451 0.8237 0.0398 0.0490 0.0610 0.0401
683
                (.8)
                                  0.9030 0.8513 0.3891 0.9050 0.0210 0.0250 0.0792 0.0206
                (.9)
                                  0.9482 0.8829 0.4025 0.9477 0.0122 0.0250 0.0871 0.0126
```

SAN MARKATAN TANDARAN TANDARAN

APPENDIX C TWO SAMPLE APPROXIMATE RANDOMIZATION TEST

NUMBER OF ITERATIONS: 50 SAMPLE DISTRIBUTIONS: N(0,1)

		MP						VARTANCEC				
		ZE:	S	_		AGES		_	VARIAN			
CASE	1	2	β	R	T	M	A	R	T	Н	A	
685	7	7	200	0.5288	0.5299	0.5154	0.5310	0.0756	0.0759	0.0767	0.0765	
686	•	•	300	0.5066	0.5075	0.5112	0.5153	0.0899	0.0903	0.0896	0.0908	
697			400	0.5790	0.5790	0.5874	0.5787	0.0732	0.0727	0.0673	0.0732	
688			500	0.4520	0.4519	0.4674	0.4530	0.0903	0.0905	0.0797	0.0889	
689			600	0.5009	0.5012	0.4856	0.5010	0.0973	0.0975	0.0788	0.0957	
690			700	0.5863	0.5862	0.5809	0.5874	0.0907	0.0911	0.0849	0.0906	
691			800	0.5394	0.5391	0.5293	0.5362	0.0857	0.0857	0.0726	0.0850	
692			900	0.5405	0.5396	0.5445	0.5394	0.0734	0.0745	0.0522	0.0742	
693			1000	0.4851	0.4866	0.4921	0.4856	0.0853	0.0854	0.0760	0.0863	
694			1100	0.5447	0.5455	0.5424	0.5457	0.0975	0.0971	0.0870	0.0971	
695			1200	0.4499	0.4503	0.4429	0.4486	0.0883	0.0885	0.0770	0.0864	
696			1300	0.5088	0.5086	0.5220	0.5114	0.0785	0.0786	0.0685	0.0780	
697			1400	0.4459	0.4455	0.4399	0.4472	0.0801	0.0807	0.0780	0.0800	
698			1500	0.4595	0.4593	0.4589	0.4612	0.0872	0.0871	0.0754	C.0870	
699			1600	0.5284	0.5282	0.5257	0.5298	0.0723	0.0722	0.0753	0.0723	
700			1700	0.4909	0.4912	0.4808	0.4932	0.0915	0.0912	0.0799	0.0920	
701			1800	0.4818	0.4813	0.4807	0.4794	0.0960	0.0960	0.0853	0.0962	
702			1900	0.5321	0.5338	0.5349	0.5325	0.0889	0.0884	0.0842	0.0888	
703			2000	0.5171	0.5178	0.4966	0.5196	0.0727	0.0723	0.0641	C.0728	
704	8	7	200	0.5363	0.5372	0.5287	0.5338	0.0788	0.0791	0.0790	0.0808	
705			300	0.5284	0.5281	0.5329	0.5366	0.0920	0.0918	0.0904	0.0924	
706			400	0.5702	0.5702	0.5750	0.5709	0.0770	0.0769	0.0694	0.0781	
707			500	0.4628	0.4633	0.4721	0.4614	0.0884	0.0884	0.0810	0.0884	
708			600	0.4979	0.4983	0.4856	0.5014	0.0858	0.0860	0.0696	0.0866	
709			700	0.5792	0.5791	0.5710	0.5800	0.0807	0.0809	0.0780	0.0816	
710			800	0.5340	0.5340	0.5195	0.5331	0.0906	0.0907	0.0799	0.0893	
711			900	0.5285	0.5278	0.5302	0.5291	0.0756	0.0764	0.0572	0.0754	
712			1000	0.4782	0.4793	0.4953	0.4779	0.0855	0.0863	0.0777	0.0853	
713			1100 1200	0.5482	0.5490 0.4595	0.5475 0.4390	0.5506	0.0999	0.0998	0.0887 0.0767	0.1005	
714 715			1300	0.4591 0.5162	0.5162	0.5234	0.4607 0.5179	0.0789	0.0079	0.0716	0.0790	
716			1400	0.4482	0.4485	0.4451	0.4479	0.0816	0.0823	0.0774	0.0807	
717			1500	0.4550	0.4548	0.4496	0.4579	0.0874	0.0873	0.0773	0.0881	
718			1600	0.5188	0.5189	0.5121	0.5192	0.0660	0.0661	0.0680	0.0659	
719			1700	0.5056	0.5066	0.4938	0.5084	0.0862	0.0863	0.0736	0.0865	
720			1800	0.4684	0.4684	0.4662	0.4677	0.1003	0.1005	0.0922	0.1003	
721			1900	0.5499	0.5506	0.5454	0.5502	0.0873	0.0868	0.0866	0.0878	
722			2000	0.5068	0.5072	0.4838	0.5047	0.0695	0.0692	0.0602	0.0698	
723	9	7	200	0.4733	0.4731	0.4856	0.4764	0.1062	0.1063	0.1001	0.1054	
724			300	0.4457	0.4461	0.4678	0.4569	0.0715	0.0715	0.0681	0.0723	
725			400	0.5221	0.5216	0.5430	0.5179	0.0750	0.0752	0.0680	0.0767	
726			500	0.5444	0.5448	0.5281	0.5467	0.0945	0.0939	0.0903	0.0933	
727			600	0.4557	0.4549	0.4542	0.4592	0.0927	0.0925	0.0836	0.0930	
728			700	0.5268	0.5262	0.5247	0.5284	0.0863	0.0861	0.0765	0.0865	
729			800	0.5643	0.5450	0.5526	0.5681	0.0751	0.0753	0.0718	0.0752	
730			900	0.4534	0.4542	0.4681	0.4542	0.0711	0.0717	0.0693	0.0708	
731			1000	0.4784	0.4776	0.4858	0.4778	0.0864	0.0864	0.0742	0.0860	
732			1100	0.5376	0.5360	0.5382	0.5349	0.0933	0.0936	0.0864	0.0935	
733			1200	0.5131	0.5133	0.5148	0.5125	0.0775	0.0774	0.0682	0.0770	
734			1300	0.4451	0.4449	0.4479	0.4434	0.0816	0.0810	0.0797	0.0810	
735			1400	0.5421	0.5416	0.5303	0.5426	0.0745	0.0748	0.0689	0.0750	
736			1500	0.5479	0.5478	0.5536	0.5488	0.0788	0.0783	0.0677	0.0786	

737	1600	0.4959	0.4953	0.4918	0.4969	0.0926	0.0927	0.0872	0.0930
738	1700	0.5967	0.5947	0.5938	0.5961	0.0649	0.0650	0.0612	0.0644
739	1800	0.4405	0.4397	0.4465	0.4422	0.0687	0.0688	0.0570	0.0682
740	1900	0.4997	0.4999	0.5060	0.4996	0.1004	0.1003	0.0911	0.1000
741	2000	0.4891	0.4897	0.4914	0.4900	0.0879	0.0878	0.0869	0.0875

ALC: CAL

APPENDIX D ANOVA CHANGES IN SAMPLE SIZES

NUMBER OF ITERATIONS: 50
SAMPLE DISTRIBUTIONS: N(0,1)
APPROXIMATE RANDOMIZATION SAMPLE SIZE: 1000

	-	AMP										
	S	I ZE	S		AVE	RAGES		VARIANCES				
CASE	1	2	3	R	F	K	A	R	F	K	A	
742	2	2	2	0.5773	0.5424	0.5470	0.5568	0.0865	0.0886	0.0891	0.0867	
743	3	3	3	0.4421	0.4369	0.4540	0.4414	0.0876	0.0822	0.0903	0.0877	
744	4	4	4	0.5151	0.5124	0.5089	0.5172	0.0846	0.0833	0.0728	0.0852	
745	4	4	3	0.5334	0.5314	0.5477	0.5312	0.0801	0.0771	0.0766	0.0805	
746	4	4	2	0.4449	0.4458	0.4751	0.4447	0.0763	0.0762	0.0847	0.0767	
747	4	3	3	0.5126	0.5060	0.5152	0.5117	0.0856	0.0813	0.0859	0.0862	
748	4	3	2	0.4477	0.4457	0.4631	0.4493	0.0866	0.0865	0.0888	0.0854	

APPENDIX E ANOVA DISTRIBUTIONAL CHANGES

NUMBER OF ITERATIONS: 50
APPROXIMATE RANDOMIZATION SAMPLE SIZE: 1000

	S	AMP	LE											
	S	IZE	S	SAMPLE	DISTRIBU	JTIONS		AVE	RAGES			VARIAN	CES	
CASE	1	2	3	1	2	3	R	F	K	A	R	F	K	A
74.0	4	4												
749 750	4	*	4	N(-10,1)	(-5,1)	(-5,1)								
751				(-5,1) (-2,1)	(-2,1)	(-2,1)				0.4418				
752				(-2,1)	(-1,1)	(-1.1)				0.5340				
753				(5,1)	(5,1)	(5,1)								
754				(2,1)	(2,1)	(2,1)								
755				(1,1)	(1,1)	(1,1)			-					
756				(0,1)	(0,1)	(0,1)				0.5045				
757				(.1,1)	(.1,1)	(.1,1)				0.5127				
758				(.2,1)	(.2,1)	(.2,1)				0.5225				
759				(.5,1)	(.5,1)	(.5.1)				0.4862				
760				(1,1)	(1,1)	(1,1)				0.5646				
761				(2,1)	12,1)	(2,1)				0.4739				
762				(5,1)	(5,1)	(5,1)				0.5411				
763				(10,1)	(10,1)	(10,1)	0.4356	0.4373	0.4546	0.4341	0.0970	0.0956	0.0997	0.0969
764				(0,.1)	(0,.1)	(0,.1)	0.5350	0.5335	0.5198	0.5345	0.0681	0.0690	0.0797	0.0690
765				(0,.2)	(0,.2)	(0,.2)	0.4658	0.4645	0.4513	0.4649	0.0714	0.0708	0.0656	0.0724
766				(0,.5)	(0,.5)	(0,.5)	0.5296	0.5280	0.5304	0.5325	0.0819	0.0817	0.0805	0.0804
767				(0,1)	(0,1)	(0,1)	0.4737	0.4752	0.4702	0.4745	0.0961	0.0963	0.0801	0.0962
768				(0,2)	(0,2)	10,2)	0.5360	0.5336	0.5289	0.5388	0.0758	0.0758	0.0766	0.0755
769				(0,5)	10,5)	(0,5)	0.5051	0.5046	0.5374	0.5036	0.0931	0.0934	0.0816	0.0929
770				(0,10)	(0,10)	(0,10)	0.4886	0.4890	0.4867	0.4902	0.0813	0.0831	0.0739	0.0805
771	3	3	3	(-10,1)	(-10,1)	(-10,1)								
772				(-5,1)	(-5,1)	(-5,1)				0.4749			-	
773				(-2,1)	(-2,1)	(-2,1)				0.5006				
774				(-1,1)	(-1,1)	(-1,1)				0.4830				
775				(5,1)	15,1)	(5,1)								
776				(2,1)	(2,1)	(2,1)								
777				(1,1)	(1,1)	(1,1)								
778				(0,1)	(0,1)	(0,1)				0.5105				
779				(.1,1)	(.1,1)	(.1,1)				0.5149	-	_	-	
780				(.2,1)	(.2,1)	(.2,1)				0.5465				
781				(.5,1)	(.5,1)	(.5,1)				0.4742				
782				(1,1)	(1.1)	(1.1)				0.5412				
783				(2.1)	(2,1)	(2,1)				0.5057				
7 84 78 5				(5,1) (10,1)	(5.1)	(5,1) (10.1)				0.5452				
/ 03				110,17	(10,1)	110,1,	0.4/65	0.4/8/	0.40/6	0.4770	U. UO33	0.0034	Ų. VO55	0.0000
784				(0,.1)	(0,.1)	(0,.1)	0 5441	0 5418	0 5442	0.5642	0 0787	0 0766	0 0703	0 0743
787				(0,.2)	(0,.2)	(0,.2)				0.5530		-		
788				(0,.5)	(0,.5)	(0,5)				0.5128				
789				(0.1)	(0.1)	(0,1)				0.3857				
790				10,21	10.2)	10.21				0.5807				
791				10,51	(0.5)	10,51				0.4955				
792				(0.10)	(0.10)	(0,10)				0 5030				
-					* =				-			• •		
793	Z	2	Z	1-10,11	(-10,1)	(10,1)	0 5187	0.4914	0.4761	0.5104	0.0839	0.0857	0.0841	0.0826
7 🗪				1-5.11	1-5.11	1-5,11	0 5280	0.5093	0.4985	0.4730	0.0551	0.0599	0.0679	0 0567
795				1-2,11	1-2,11	1-2.11	0 5627	0.5478	0.5220	0 . 54 98	0.0911	0 0881	0.0885	0.0926
796				1-1,17	1-1-11	(-1,1)				0 4948				
797				(= 5,1 1	5.11	(5.1)								
7.98				1 - 2.11	1 - 2,11	1 - 2.11	0.5667	0 5331	0 5272	C 5475	0 0911	0.0949	0.0917	0 0963

```
799
              (-.1,1) (-.1,1) (-.1,1) 0.5080 0.4773 0.4899 0.4918 0.0756 0.0755 0.0908 0.0785
                                10,1) 0.5240 0.4708 0.5062 0.5026 0.0769 0.0785 0.0753 0.0776
800
              (0,1)
                        (0,1)
                                 (.1,1) 0.5280 0.4886 0.5099 0.5103 0.0910 0.0844 0.0869 0.0915
801
              (.1,1)
                        (.1,1)
802
                        (.2.1)
                                (.2,1) 0.5240 0.4865 0.4874 0.4990 0.0727 0.0662 0.0685 0.0741
              (.2.1)
803
              (.5,1)
                        (.5,1)
                                (.5,1) 0.5120 0.4763 0.5042 0.5052 0.0975 0.0964 0.1056 0.0975
804
              (1,1)
                       (1,1)
                                 (1,1) : 0.5867 0.5509 0.5641 0.5803 0.0929 0.0952 0.0979 0.0914
                                 (2,1) 0.5373 0.4951 0.5150 0.5314 0.0855 0.0904 0.0941 0.0869
805
              (2,1)
                       (2,1)
806
                        (5,1)
                                 (5,1)
                                        0.6133 0.5708 0.5747 0.5605 0.0713 0.0675 0.0705 0.0717
               (5,1)
807
              (10.1)
                       (10,1)
                                (10,1) 0.5040 0.4726 0.4652 0.4966 0.0833 0.0835 0.0966 0.0804
808
              (0,.1)
                       (0,.1)
                                 (0,.1) 0.5640 0.5289 0.5244 0.5468 0.0846 0.0854 0.0734 0.0866
809
              (0,.2)
                       (0,.2)
                                 (0,.2) 0.6000 0.5793 0.5710 0.5957 0.0849 0.0872 0.0911 0.0841
                       (0,.5)
810
              (0,.5)
                                 (0,.5) 0.5200 0.4955 0.4920 0.5029 0.0941 0.1034 0.0999 0.0928
811
               (0,1)
                        (0,1)
                                 (0,1)
                                        0.5227 0.5110 0.4817 0.5052 0.0703 0.0715 0.0761 0.0676
812
               (0,2)
                        (0,2)
                                 (0,2)
                                        0.4760 0.4497 0.4388 0.4658 0.0760 0.0866 0.0804 0.0764
                                        0.5613 0.5387 0.5203 0.5459 0.0706 0.0701 0.0735 0.0693
                        (0,5)
813
               (0,5)
                                 (0.5)
                                (0,10) 0.6013 0.5526 0.5594 0.5782 0.0935 0.0814 0.0868 0.0945
814
              (0,10)
                       (0,10)
815
              (0.1)
                       (0.11
                                (-10,1) 0.0034 0.0000 0.0064 0.0037 0.0000 0.0000 0.0000 0.0000
816
                                (-5,1) 0.0028 0.0002 0.0054 0.0032 0.0000 0.0000 0.0000 0.0000
817
                                (-2,1) 0.0553 0.0552 0.0656 0.0563 0.0059 0.0055 0.0096 0.0059
818
                                (-1,1) 0.2591 0.2582 0.2602 0.2590 0.0516 0.0514 0.0593 0.0512
                                (-.5,1) 0.4991 0.5016 0.5125 0.4965 0.0774 0.0785 0.0725 0.0754
819
820
                                 (-.2,1) 0.5288 0.5313 0.5223 0.5319 0.0868 0.0861 0.0799 0.0861
                                 (-.1,1) 0.4662 0.4676 0.4491 0.4652 0.0865 0.0838 0.0777 0.0852
821
822
                                (0,1) 0.5048 0.5041 0.4986 0.5045 0.0825 0.0831 0.0818 0.0842
                                 (.1,1) 0.5083 0.5034 0.4952 0.5055 0.0841 0.0819 0.0761 0.0835
823
824
                                 (.2,1) 0.5069 0.5050 0.4965 0.5072 0.0847 0.0835 0.0836 0.0851
                                 (.5,1) 0.3951 0.3916 0.3937 0.3982 0.0889 0.0888 0.0736 0.0906
825
826
                                        0.3289 0.3285 0.3135 0.3287 0.0766 0.0767 0.0685 0.0771
                                 (1,1)
827
                                 (2,1)
                                        0.0547 0.0518 0.0629 0.0572 0.0095 0.0083 0.0136 0.0098
                                        0.0033 0.0001 0.0063 0.0042 0.0000 0.0000 0.0000 0.0000
828
                                 (5,1)
829
                                 (10,1) 0.0030 0.0000 0.0058 0.0038 0.0000 0.0000 0.0000 0.0000
                        (0,1)
830
              (0.1)
                                 (0,.1) 0.5860 0.5764 0.5131 0.5864 0.0855 0.0848 0.0720 0.0860
831
                                 (0,.2) 0.4869 0.4858 0.4581 0.4847 0.0914 0.0909 0.0763 0.0921
832
                                 (0,.5) 0.5077 0.5024 0.5023 0.5115 0.0835 0.0824 0.0826 0.0831
                                        0.4737 0.4752 0.4702 0.4745 0.0961 0.0963 0.0801 0.0962
833
                                 (0,1)
834
                                         0.5608 0 5556 0.5889 0.5653 0.0780 0.0750 0.0669 0.0761
                                 (0,2)
                                        0.4596 0.4435 0.4855 0.4608 0.1128 0.1041 0.0923 0.1129
835
                                 (0.5)
                                 (0,10) 0.4792 0.4716 0.4824 0.4803 0.1230 0.1118 0.0866 0.1236
836
837
    3 3 3
              (0,1)
                        (0.1)
                                 (-10,1) 0.0196 0.0000 0.0283 0.0176 0.0001 0.0000 0.0001 0.0001
                                 (-5,1) 0.0193 0.0032 0.0287 0.0187 0.0001 0.0000 0.0002 0.0001
838
839
                                 (-2,1) 0.1069 0.1026 0.1152 0.1075 0.0140 0.0160 0.0214 0.0146
                                 (-1,1) 0.2868 0.2874 0.2840 0.2850 0.0713 0.0719 0.0698 0.0701
840
                                 (-.5,1) 0.5009 0.4992 0.5024 0.5016 0.0617 0.0656 0.0577 0.0629
841
                                 (-.2,1) 0.5407 0.5477 0.5454 0.5407 0.0826 0.0822 0.0860 0.0830
842
843
                                 (-.1,1) 0.4726 0.4755 0.4532 0.4710 0.0964 0.0951 0.0933 0.0963
844
                                 (0,1) 0.5091 0.5150 0.5003 0.5105 0.0865 0.0894 0.0771 0.0864
845
                                 (.1,1) 0.5116 0.5084 0.5058 0.5095 0.0932 0.0854 0.0835 0.0930
846
                                 (.2,1) 0.5233 0.5108 0.5273 0.5245 0.0749 0.0750 0.0792 0.0751
                                 (.5,1) 0.4242 0.4203 0.4353 0.4241 0.1108 0.1084 0.1113 0.1115
847
                                        0.3741 0.3669 0.3542 0.3737 0.0819 0.0777 0.0782 0.0825
848
                                 (1.1)
849
                                         0.0913 0.0875 0.0963 0.0899 0.0123 0.0127 0.0168 0.0125
                                 (2.1)
                                        0.0202 0.0015 0.0299 0.0211 0.0001 0.0000 0.0002 0.0002
850
                                 (5,1)
851
                                 (10,1) 0.0189 0.0000 0.0281 0.0178 0.0001 0.0000 0.0002 0.0001
                                 (0,.1) 0.5601 0.5534 0.5195 0.5598 0.0951 0.0881 0.0748 0.0950
253
853
                                 (0,.2) 0.5285 0.5296 0.4999 0.5288 0.0814 0.0799 0.0696 0.0808
                                 (0,.5) 0.5156 0.5073 0.5016 0.5141 0.0841 0.0777 0.0738 0.0830
854
855
                                 (0.1)
                                         0.3866 0.3797 0.4003 0.3857 0.0857 0.0819 0.0865 0.0861
856
                                 (0.2)
                                         0.6154 0.6081 0.6272 0.6155 0.0754 0.0730 0.0685 0.0756
                                         0.4591 0.4430 0.4677 0.4578 0.1229 0.1083 0.0856 0.1226
AE7
                                 (0.5)
                                 (0,10) 0.5476 0.5400 0.5361 0.5464 0.1167 0.0997 0.0735 0.1163
859
                                 (-10,1) 0.1347 0.0037 0.1299 0.0959 0.0034 0.0000 0.0049 0.0036
       2 2
               (0.1)
                        (0.1)
                                 (-5,1) 0.1240 0.0295 0.1267 0.1011 0.0025 0.0009 0.0045 0.0030
860
861
                                 (-2,1) 0.2880 0.2380 0.2910 0.2654 0.0456 0.0442 0.0515 0.0480
```

```
862
                                (-1,1) 0.4533 0.4196 0.4147 0.4406 0.0894 0.0878 0.0946 0.0913
                                (-.5,1) 0.4520 0.4277 0.4201 0.4250 0.0810 0.0836 0.0837 0.0806
863
864
                                (-.2,1) 0.5533 0.5340 0.5151 0.5302 0.0873 0.0934 0.0901 0.0881
                                 (-.1,1) 0.5027 0.4714 0.4803 0.4837 0.0755 0.0714 0.0780 0.0785
865
                                       0.5240 0.4708 0.5062 0.5026 0.0769 0.0785 0.0753 0.0776
866
                                (0.1)
                                (.1,1) 0.5293 0.4878 0.4989 0.5059 0.0908 0.0830 0.0833 0.0887
867
868
                                (.2,1) 0.5147 0.4774 0.4800 0.4896 0.0717 0.0619 0.0670 0.0730
869
                                 (.5,1) 0.5480 0.5033 0.5298 0.5266 0.0964 0.0977 0.1038 0.0941
870
                                        0.4240 0.3749 0.3976 0.4055 0.0649 0.0684 0.0662 0.0641
                                 (1.1)
871
                                 (2,1)
                                        0.2733 0.2140 0.2571 0.2516 0.0488 0.0497 0.0460 0.0519
872
                                 (5.1)
                                        0.1493 0.0274 0.1525 0.1256 0.0028 0.0009 0.0035 0.0028
                                 (10,1) 0.1240 0.0048 0.1192 0.0813 0.0029 0.0000 0.0050 0.0045
873
874
              (0,1)
                        (0,1)
                                 (0,.1) 0.5013 0.4448 0.4576 0.4799 0.1069 0.1021 0.0999 0.1100
875
                                (0,.2) 0.5587 0.5206 0.5167 0.5426 0.1008 0.0874 0.1054 0.1036
876
                                 (0,.5) 0.5267 0.4955 0.5014 0.5050 0.0927 0.1020 0.0956 0.0901
877
                                 (0.1)
                                        0.5227 0.5110 0.4817 0.5052 0.0703 0.0715 0.0761 0.0676
878
                                        0.4733 0.4293 0.4602 0.4562 0.0924 0.0920 0.1002 0.0910
                                 (0.2)
879
                                        0.5707 0.5130 0.5481 0.5497 0.1325 0.1080 0.1286 0.1328
                                 (0,5)
880
                                 (0,10) 0.4920 0.4245 0.4683 0.4599 0.1431 0.1120 0.1291 0.1446
881
    4 3 3
              (-10,1) (-10,1) (-10,1) 0.5568 0.5599 0.5380 0.5557 0.0893 0.0908 0.0701 0.0888
882
               (-5,1)
                                (-5,1) 0.4677 0.4676 0.4570 0.4650 0.0982 0.0993 0.0952 0.0969
                       (-5,1)
883
               (-2,1)
                       (-2,1)
                                1-2,1) 0.4536 0.4544 0.4619 0.4498 0.0651 0.0676 0.0677 0.0644
884
                                (-1,1) 0.5328 0.5331 0.5408 0.5332 0.0878 0.0887 0.0888 0.0868
               \{-1,1\}
                       (-1,1)
885
              (-.5,1)
                      (-.5,1) (-.5,1) 0.5411 0.5400 0.5443 0.5442 0.0726 0.0746 0.0768 0.0727
               (-.2,1) (-.2,1) (-.2,1) 0.5372 0.5410 0.5493 0.5351 0.0839 0.0843 0.0800 0.0845
886
887
              (-.1,1)
                      (-.1,1) (-.1,1) 0.4910 0.4989 0.4680 0.4911 0.0859 0.0825 0.0786 0.0856
888
               (0,1)
                       (0,1)
                                (0,1) 0.5220 0.5203 0.5166 0.5249 0.0980 0.0992 0.0942 0.0968
                                (.1,1) 0.5126 0.5080 0.5152 0.5143 0.0856 0.0813 0.0859 0.0842
889
               (.1,1)
                       (.1,1)
890
               (.2,1)
                       (.2,1)
                                (.2,1) 0.5532 0.5422 0.5716 0.5544 0.0715 0.0685 0.0706 0.0719
                                (.5,1) 0.4566 0.4555 0.4773 0.4596 0.0757 0.0757 0.0629 0.0761
891
               (.5,1)
                       (.5,1)
892
               (1,1)
                       (1,1)
                                (1,1) 0.5338 0.5341 0.5197 0.5367 0.0792 0.0773 0.0750 0.0789
                                        0.5039 0.5066 0.5015 0.5051 0.0839 0.0842 0.0813 0.0844
893
              (2,1)
                       (2.1)
                                (2,1)
                                       0.5499 0.5493 0.5359 0.5518 0.0764 0.0782 0.0671 0.0748
894
              (5,1)
                       (5,1)
                                (5,1)
895
              (10,1)
                       (10,1)
                                (10,1) 0.5080 0.5069 0.5007 0.5052 0.0921 0.0893 0.0852 0.0927
896
               (0,.1)
                        (0,.1)
                                (0,.1) 0.5544 0.5524 0.5411 0.5536 0.0731 0.0747 0.0768 0.0743
897
               (0,.2)
                       (0,.2)
                                10,.2) 0.5236 0.5231 0.5319 0.5284 0.0808 0.0829 0.0687 0.0799
              (0,.5)
898
                                (0,.5) 0.5328 0.5304 0.5193 0.5347 0.0820 0.0811 0.0732 0.0813
                       (0,.5)
899
               (0,1)
                        (0,1)
                                (0,1)
                                        0.4305 0.4288 0.4390 0.4316 0.0845 0.0847 0.0851 0.0843
900
                                        0.5720 0.5745 0.5802 0.5753 0.0865 0.0861 0.0869 0.0861
               (0,2)
                        (0,2)
                                10,2)
901
               (0.5)
                        (0.5)
                                (0,5)
                                        0.4968 0.4973 0.5127 0.4984 0.0705 0.0698 0.0650 0.0705
902 4 3 2
              (0,10)
                       (0,10)
                                (0,10) 0.4987 0.4985 0.4960 0.4999 0.0804 0.0829 0.0766 0.0804
903
               (-10,1) (-10,1) (-10,1) 0.5146 0.5167 0.5181 0.5157 0.0858 0.0883 0.0862 0.0861
                                (-5,1) 0.5444 0.5459 0.5286 0.5431 0.0813 0.0794 0.0845 0.0829
904
               (-5,1)
                       (-5,1)
                       (-2,1)
                                (-2,1) 0.4677 0.4705 0.4514 0.4658 0.0807 0.0840 0.0717 0.0820
905
               (-2.1)
                                (-1,1) 0.4298 0.4300 0.4093 0.4328 0.0802 0.0815 0.0731 0.0787
906
               (-1,1)
                       (-1,1)
               (-.5,1) (-.5,1) (-.5,1) 0.5091 0.5095 0.5179 0.5105 0.0868 0.0870 0.0901 0.0872
907
908
               (-.2,1) (-.2,1) (-.2,1) 0.4535 0.4488 0.4678 0.4516 0.0806 0.0798 0.0739 0.0800
               (-.1,1) (-.1,1) (-.1,1) 0.5497 0.5518 0.5546 0.5514 0.0782 0.0786 0.0857 0.0790
909
                                (0,1) 0.5750 0.5725 0.5716 0.5761 0.0951 0.0967 0.0862 0.0949
              (0,1)
                       (0,1)
910
                                (.1,1) 0.4649 0.4684 0.4718 0.4635 0.0987 0.0989 0.1018 0.0979
911
                       (.1,1)
               (.1,1)
912
               1.2,1)
                       (.2,1)
                                1.2,1) 0.5567 0.5473 0.5343 0.5554 0.0792 0.0780 0.0763 0.0785
                                (.5,1) 0.4583 0.4577 0.4446 0.4601 0.1089 0.1087 0.0969 0.1101
913
              (.5,1)
                       (.5,1)
914
              (1,1)
                        (1,1)
                                (1,1)
                                        0.5044 0.5067 0.4996 0.5058 0.1090 0.1104 0.1090 0.1089
915
               (2,1)
                       (2,1)
                                (2,1)
                                        0.4775 0.4744 0.4815 0.4762 0.0874 0.0876 0.0848 0.0882
                        (5,1)
                                        0.4688 0.4726 0.4554 0.4669 0.0856 0.0848 0.0909 0.0853
916
               (5.1)
                                (5.1)
917
               (10,1)
                       (10,1)
                                (10,1) 0.5500 0.5467 0.5634 0.5534 0.0886 0.0887 0.0873 0.0880
              (0,.1)
                                (0,.1) 0.5490 0.5464 0.5269 0.5455 0.0877 0.0888 0.0864 0.0888
918
                       (0,.1)
919
               (0,.2)
                       (0,.2)
                                (0,.2) 0.5285 0.5276 0.5352 0.5292 0.0916 0.0908 0.0870 0.0911
920
               (0..5)
                        (0,.5)
                                 (0,.5) 0.5369 0.5314 0.5332 0.5415 0.0766 0.0773 0.0811 0.0757
921
               (0,1)
                                 (0,1)
                                        0.5111 0.5092 0.5275 0.5102 0.0581 0.0578 0.0654 0.0590
                        (0.1)
922
                                        0.4565 0.4588 0.4599 0.4582 0.0754 0.0768 0.0734 0.0752
               (0,2)
                        (0,2)
                                 (0,2)
923
                        (0,5)
                                 (0,5)
                                         0.4866 0.4838 0.5095 0.4848 0.0742 0.0726 0.0851 0.0735
               (0,5)
924
                                (0,10) 0.5066 0.5054 0.5160 0.5078 0.0964 0.0963 0.0910 0.0964
               (0.10)
                       (0.10)
```

THE PROPERTY SHOWN PRODUCT DESCREET RESERVED TOROGOUS TOROGOUS THE STATE OF THE STA

```
(0,1)
                                 (-10.1) 0.0092 0.0000 0.0251 0.0103 0.0000 0.0000 0.0001 0.0000
925
    4 3 3
                        (0,1)
                                 (-5,1) 0.0082 0.0015 0.0224 0.0082 0.0000 0.0000 0.0001 0.0000
926
                                 (-2,1) 0.0909 0.0899 0.1008 0.0902 0.0102 0.0104 0.0164 0.0103
927
                                 (-1,1) 0.2974 0.2986 0.2869 0.2966 0.0651 0.0655 0.0656 0.0644
928
                                 (-.5,1) 0.4867 0.4912 0.4892 0.4888 0.0735 0.0740 0.0716 0.0728
929
                                 (-.2,1) 0.5438 0.5489 0.5449 0.5437 0.0850 0.0854 0.0769 0.0858
930
                                 (-.1,1) 0.4943 0.5010 0.4738 0.4950 0.0917 0.0872 0.0775 0.0910
931
932
                                 (0,1) 0.5220 0.5203 0.5166 0.5249 0.0980 0.0992 0.0942 0.0968
                                 (.1,1) 0.5092 0.5056 0.5089 0.5108 0.0849 0.0820 0.0853 0.0832
933
                                 (.2,1) 0.5196 0.5094 0.5283 0.5222 0.0691 0.0655 0.0723 0.0693
934
                                 (.5,1) 0.3996 0.4006 0.4109 0.4017 0.0987 0.0969 0.0901 0.0991
935
                                         0.3547 0.3504 0.3422 0.3576 0.0860 0.0840 0.0855 0.0857
936
                                 (1.1)
937
                                         0.0830 0.0810 0.0972 0.0853 0.0162 0.0150 0.0209 0.0166
                                 (2,1)
                                         0.0092 0.0007 0.0248 0.0097 0.0000 0.0000 0.0001 0.0000
938
                                 (5,1)
                                 (10,1) 0.0084 0.0000 0.0240 0.0088 0.0000 0.0000 0.0001 0.0000
939
                                 (0,.1) 0.6028 0.5932 0.5466 0.6021 0.0836 0.0837 0.0713 0.0824
940
               (0,1)
                        (0,1)
                                 (0,.2) 0.5340 0.5306 0.4901 0.5370 0.0718 0.0709 0.0550 0.0712
941
                                 (0,.5) 0.5509 0.5435 0.5182 0.5548 0.0893 0.0856 0.0775 0.0899
942
                                         0.4305 0.4288 0.4390 0.4316 0.0845 0.0847 0.0851 0.0843
943
                                 (0.1)
                                         0.5776 0.5716 0.6109 0.5817 0.0820 0.0793 0.0778 0.0825
944
                                 (0,2)
945
                                         0.4127 0.4032 0.4635 0.4095 0.1230 0.1117 0.0879 0.1224
                                 (0,5)
946
                                 (0,10) 0.5010 0.5027 0.5190 0.5024 0.1220 0.1065 0.0669 0.1213
947
       3
                 (0,1)
                         (0,1)
                                 (-10,1) 0.0150 0.0001 0.0797 0.0153 0.0001 0.0000 0.0013 0.0001
                                 (-5,1) 0.0187 0.0082 0.0841 0.0194 0.0002 0.0001 0.0012 0.0002
948
                                 (-2,1) 0.1464 0.1432 0.1642 0.1482 0.0248 0.0247 0.0291 0.0254
949
950
                                 (-1,1) 0.3168 0.3197 0.3328 0.3180 0.0762 0.0778 0.0884 0.0760
                                 (-.5,1) 0.4469 0.4408 0.4694 0.4464 0.0825 0.0821 0.0863 0.0827
951
                                 (-.2,1) 0.4486 0.4432 0.4600 0.4477 0.0782 0.0775 0.0692 0.0782
952
                                 (-.1,1) 0.5448 0.5462 0.5594 0.5451 0.0780 0.0788 0.0885 0.0788
953
954
                                 (0,1)
                                        0.5750 0.5725 0.5716 0.5761 0.0951 0.0967 0.0862 0.0949
                                 (.1,1) 0.4590 0.4600 0.4696 0.4578 0.0979 0.0973 0.0977 0.0968
955
                                 (.2,1) 0.5387 0.5306 0.5214 0.5355 0.0869 0.0842 0.0809 0.0868
956
                                 (.5,1) 0.4335 0.4273 0.4348 0.4343 0.0992 0.0980 0.0982 0.0993
957
                                         0.3772 0.3777 0.3810 0.3785 0.0984 0.1000 0.0896 0.0989
958
                                 (1,1)
                                         0.1691 0.1671 0.2004 0.1692 0.0471 0.0491 0.0399 0.0462
959
                                 (2.1)
                                         0.0153 0.0039 0.0782 0.0162 0.0001 0.0000 0.0012 0.0001
960
                                 (5,1)
961
                                 (10,1) 0.0148 0.0001 0.0818 0.0148 0.0001 0.0000 0.0011 0.0001
                                 (0,.1) 0.5838 0.5742 0.5558 0.5799 0.0931 0.0909 0.0915 0.0932
               (0,1;
                        (0.1)
962
                                 (0,.2) 0.6394 0.6351 0.6227 0.6391 0.0927 0.0915 0.0871 0.0924
963
                                         0.5520 0.5493 0.5367 0.5548 0.0777 0.0776 0.0747 0.0771
964
                                 (0,.5)
                                         0.5111 0.5092 0.5275 0.5102 0.0581 0.0578 0.0654 0.0590
                                 (0.1)
965
                                         0.3941 0.3978 0.4345 0.3939 0.0814 0.0789 0.0787 0.0816
966
                                 (0,2)
                                         0.3365 0.3490 0.3967 0.3367 0.1240 0.1259 0.1175 0.1243
967
                                 (0.5)
                                 (0,10) 0.3341 0.3520 0.4474 0.3329 0.1281 0.1220 0.1576 0.1264
968
                EXP(.1) EXP(.1) EXP(.1) 0.4686 0.4559 0.4008 0.4699 0.0833 0.0761 0.0773 0.0829
969
                                   (.2) 0.4554 0.4394 0.4310 0.4545 0.0975 0.0860 0.0886 0.0963
970
                   (.2)
                           (.2)
                                   (.5) 0.5336 0.5224 0.5092 0.5326 0.0941 0.0851 0.0946 0.0964
971
                   (.5)
                           (.5)
                                         0.5517 0.5465 0.5270 0.5548 0.0940 0.0885 0.0848 0.0953
972
                   (1)
                           (1)
                                   (1)
                   (2)
                                         0.4813 0.4760 0.4895 0.4785 0.0835 0.0763 0.0980 0.0843
973
                           (2)
                                   (2)
                                         0.5350 0.5189 0.5160 0.5352 0.0788 0.0705 0.0817 0.0801
974
                   (5)
                           (5)
                                   (5)
                                   (10) 0.5182 0.5111 0.5270 0.5183 0.1093 0.1046 0.0946 0.1089
975
                   (10)
                           (10)
                                   (.1) 0.1423 0.1638 0.0784 0.1446 0.0140 0.0128 0.0103 0.0148
976
                   (1)
                           (1)
                                   (.2) 0.2305 0.2356 0.2292 0.2292 0.0456 0.0373 0.0407 0.0445
977
                                         0.4101 0.4040 0.4040 0.4069 0.0784 0.0695 0.0656 0.0778
978
                                   (.5)
                                         0.4918 0.4782 0.4787 0.4934 0.0898 0.0807 0.0714 0.0888
979
                                         0.3298 0.3175 0.3629 0.3293 0.0710 0.0564 0.0808 0.0703
980
                                   (2)
                                          0.1846 0.2026 0.2128 0.1866 0.0649 0.0451 0.0564 0.0647
981
                                   (5)
982
                                    (10)
                                         0.0464 0.0732 0.1141 0.0466 0.0075 0.0085 0.0311 0.0073
                                   (.1) 0.4984 0.4878 0.4789 0.4959 0.0733 0.0630 0.0581 0.0733
983
        3
                   (.1)
                           (.1)
                                         0.4358 0.4292 0.4083 0.4341 0.0817 0.0732 0.0782 0.0807
984
                   1.21
                           (.2)
                                    1.2)
                   (.5)
                           (.5)
                                   (.5) 0.5365 0.5125 0.5501 0.5355 0.0855 0.0734 0.0807 0.0847
985
                                         0.4337 0.4250 0.4598 0.4337 0.0681 0.0633 0.0734 0.0691
986
                   (1)
                           (1)
                                   (1)
                                         0.5155 0.4886 0.4921 0.5149 0.0899 0.0748 0.0782 0.0902
987
                   (2)
                           (2)
                                   (2)
```

98 8 989	(5) (5) (10) (10)				-	0.0778 0.0808 0.0871 0.0838
990 991 992 993 994 995 996	(1) (1)	(.2) 0 (.5) 0 (1) 0 (2) 0 (5) 0	0.3054 0.3162 (0.4713 0.4638 (0.5088 0.4974 (0.4423 0.4374 (0.2287 0.2403 (0.2650 0.3037 0.4584 0.4692 0.5044 0.5080 0.4401 0.4388 0.2716 0.2290	0.0198 0.0171 0.0519 0.0462 0.0995 0.0878 0.0915 0.0776 0.1042 0.0946 0.0721 0.0579 0.0313 0.0289	0.0696 0.0521 0.1006 0.0998 0.0848 0.0918 0.0950 0.1033 0.0762 0.0731
997 4 3 3 998 999 1000 1001 1002 1003	(.1) (.1) (.2) (.2) (.5) (.5) (1) (1) (2) (2) (5) (5) (10) (10)	(.2) 0 (.5) 0 (1) 0 (2) 0 (5) 0	0.5408 0.5236 (0.4974 0.4785 (0.5771 0.5769 (0.4510 0.4495 (0.4506 0.4345 (0.5197 0.5389 0.4903 0.4972 0.5615 0.5774 0.4494 0.4506 0.4413 0.4503	0.0819 0.0704 0.1038 0.0932 0.0924 0.0779 0.0889 0.0804 0.0717 0.0638 0.0702 0.0584 0.1048 0.0881	0.1019 0.1044 0.0989 0.0928 0.0609 0.0887 0.0732 0.0708 0.0724 0.0694
1004 1005 1006 1007 1008 1009	(1) (1)	(.2) 0 (.5) 0 (1) 0 (2) 0 (5) 0	.2936 0.2943 (.4540 0.4346 (.4515 0.4372 (.3674 0.3773 (.1909 0.2229 (0.2244 0.2943 0.4634 0.4547 0.4893 0.4490 0.3730 0.3667 0.2902 0.1902	0.0233 0.0197 0.0565 0.0371 0.0905 0.0721 0.0887 0.0790 0.0807 0.0696 0.0614 0.0541 0.0299 0.0247	0.0497 0.0577 0.0795 0.0911 0.1137 0.0883 0.0693 0.0790 0.0807 0.0607
1011 4 3 2 1012 1013 1014 1015 1016 1017	(.1) (.1) (.2) (.2) (.5) (.5) (1) (1) (2) (2) (5) (5) (10) (10)	(.2) 0 (.5) 0 (1) 0 (2) 0 (5) 0	.5431 0.5270 (.5293 0.5271 (.4070 0.4161 (.5949 0.5667 (.4417 0.4403 (0.5560 0.5431 0.5239 0.5281 0.4249 0.4090 0.5763 0.5971 0.4447 0.4392	0.0848 0.0774 0.0760 0.0633 0.0932 0.0873 0.0895 0.0802 0.0861 0.0737 0.0834 0.0737 0.0875 0.0774	0.0782 0.0766 0.0940 0.0918 0.0792 0.0903 0.0911 0.0845 0.0956 0.0827
1018 1019 1020 1021 1022 1023 1024	(1) (1)	(.2) 0 (.5) 0 (1) 0 (2) 0 (5) 0	0.3563 0.3581 (0.4752 0.4613 (0.5606 0.5456 (0.4415 0.4367 (0.2660 0.2730 (0.2880 0.3598 0.4467 0.4767 0.6072 0.5631 0.4694 0.4462 0.3497 0.2636	0.0459 0.0385 0.0484 0.0421 0.0726 0.0558 0.0840 0.0736 0.0964 0.0872 0.0947 0.0881 0.0352 0.0328	0.0406 0.0491 0.0713 0.0724 0.0832 0.0834 0.0887 0.0970 0.0919 0.0941
1025 4 4 4 1026 1027 1028 1029 1030 1031	U(0,.1) U(0,.1) (0,.2) (0,.2) (0,.5) (0,.5) (0,1) (0,1) (0,2) (0,2) (0,5) (0,5) (0,10) (0,10)	(0,.2) 0 (0,.5) 0 (0,1) 0 (0,2) 0 (0,5) 0	0.5179 0.5282 (0.4214 0.4259 (0.5137 0.5179 (0.5329 0.5358 (0.4562 0.4627 (0.5317 0.5186 0.4438 0.4226 0.4856 0.5129 0.5322 0.5343 0.4682 0.4556	0.1028 0.1068 0.0806 0.0815 0.0799 0.0811 0.0747 0.0766 0.0830 0.0849 0.0786 0.0815 0.0008 0.0011	0.0764 0.0818 0.0860 0.0786 0.0717 0.0740 0.0803 0.0829 0.0840 0.0790
1032 1033 1034 1035 1036 1037	(0,1) (0,1)	(0,.2) 0 (0,.5) 0 (0,1) 0 (0,2) 0 (0,5) 0	0.0956 0.0883 (0.3028 0.2965 (0.5281 0.5338 (0.2693 0.2700 (0.0448 0.0519 (0.1031 0.0954 0.3336 0.3035 0.5179 0.5287 0.3438 0.2662 0.1111 0.0470	0.0130 0.0120 0.0729 0.0726 0.0882 0.0897 0.0704 0.0696 0.0053 0.0076	0.0100 0.0056 0.0253 0.0130 0.1023 0.0730 0.0737 0.0888 0.0618 0.0700 0.0257 0.0056 0.0043 0.0004
1039 3 3 3 1040 1041 1042 1043 1044 1045	(0,.2) (0,.2) (0,.5) (0,.5) (0,1) (0,1) (0,2) (0,2) (0,5) (0,5) (0,10) (0,10)	(0,.2) 0 (0,.5) 0 (0,1) 0 (0,2) 0 (0,5) 0 (0,10) 0	0.5046 0.5052 0.4663 0.4728 0.4947 0.5085 0.5996 0.6029 0.5958 0.5977 0.0919 0.0870	0.5055 0.5077 0.4675 0.4654 0.4951 0.4920 0.5840 0.6008 0.6102 0.5929 0.0246 0.0909	0.1076 0.1099 0.0881 0.0920 0.0679 0.0740 0.0686 0.0737 0.0596 0.0623 0.0083 0.0077	0.0681 0.0674 0.0586 0.0683 0.0504 0.0594 0.0001 0.0085
1046	(0,1) (0,1)	(0,.1) 0	0.0785 0.07%	0.0601 0.0797	0.0073 0.0065	0.0045 0.0078

```
1047
                                 (0,.2) 0.1389 0.1307 0.1165 0.1384 0.0262 0.0234 0.0210 0.0257
1048
                                 (0,.5)
                                         0.3525 0.3438 0.3667 0.3530 0.0784 0.0809 0.0773 0.0787
1049
                                 (0.1)
                                         0.4998 0.4953 0.5069 0.5016 0.0678 0.0694 0.0657 0.0680
                                         0.3627 0.3573 0.4086 0.3629 0.0757 0.0724 0.0753 0.0757
1050
                                 (0.2)
1051
                                         0.1216 0.1042 0.1704 0.1230 0.0514 0.0267 0.0751 0.0507
                                 (0.5)
1052
                                 (0,10) 0.0429 0.0673 0.0773 0.0411 0.0030 0.0076 0.0145 0.0028
1053 4
       3 3
              (0,.1)
                                         0.5283 0.5337 0.5206 0.5288 0.0751 0.0783 0.0697 0.0754
                        (0,.1)
                                 (0,.2) 0.5154 0.5224 0.5063 0.5160 0.0885 0.0916 0.0888 0.0877
1054
               (0,.2)
                        (0,.2)
                                 (0,.5) 0.5766 0.5823 0.5450 0.5779 0.1153 0.1174 0.0987 0.1154
1055
               (0,.5)
                        (0,.5)
1056
               (0,1)
                        (0,1)
                                         0.5202 0.5275 0.5292 0.5177 0.0799 0.0824 0.0690 0.0807
                                 (0.1)
1057
               (0,2)
                        (0.2)
                                 (0.2)
                                         0.5225 0.5279 0.5263 0.5228 0.0822 0.0864 0.0776 0.0823
1058
                                         0.4803 0.4829 0.4767 0.4779 0.0825 0.0870 0.0826 0.0818
               (0,5)
                        (0,5)
                                 (0,5)
1059
               (0,10)
                        (0,10)
                                 (0,10) 0.0599 0.0538 0.0210 0.0612 0.0026 0.0027 0.0001 0.0029
1060
               (0,1)
                                 (0,.1) 0.1089 0.1029 0.0897 0.1114 0.0105 0.0108 0.0145 0.0106
                        (0.1)
1061
                                 (0..2)
                                         0.1270 0.1177 0.1436 0.1299 0.0189 0.0181 0.0321 0.0191
1062
                                 (0,.5) 0.0292 0.0308 0.0003 0.0293 0.0014 0.0019 0.0000 0.0014
1063
                                         0.0332 0.0383 0.0003 0.0337 0.0016 0.0039 0.0000 0.0016
                                 (0,1)
1064
                                 (0,2)
                                         0.0344 0.0413 0.0003 0.0335 0.0019 0.0031 0.0000 0.0018
1065
                                 (0,5)
                                         0.0287 0.0315 0.0003 0.0296 0.0009 0.0021 0.0000 0.0009
1066
                                 (0.10) 0.0248 0.0292 0.0003 0.0249 0.0004 0.0014 0.0000 0.0005
1067 4
              (0,.1)
                        (0,.1)
                                 (0,.1) 0.4698 0.4716 0.4856 0.4712 0.0753 0.0764 0.0717 0.0749
               (0,.2)
1068
                        (0,.2)
                                 (0,.2) 0.5310 0.5376 0.5711 0.5330 0.0865 0.0898 0.0811 0.0866
1069
               (0,.5)
                        (0,.5)
                                 (0,.5) 0.4413 0.4380 0.4216 0.4415 0.0747 0.0765 0.0686 0.0751
1070
                                         0.5173 0.5218 0.5540 0.5168 0.0780 0.0810 0.0795 0.0781
               (0.1)
                        (0,1)
                                 (0,1)
1071
               (0,2)
                        (0,2)
                                         0.4567 0.4576 0.4584 0.4591 0.0887 0.0903 0.0916 0.0894
                                 (0.2)
1072
                                         G.4600 0.4655 0.4399 0.4620 0.0907 0.0944 0.0920 0.0917
               (0,5)
                        (0.5)
                                 (0.5)
1073
                        (0,10)
                                 (0,10) 0.0860 0.0863 0.0193 0.0859 0.0096 0.0108 0.0001 0.0092
               (0,10)
               (0,1)
1074
                                 (0,.1) 0.1732 0.1703 0.1503 0.1705 0.0190 0.0199 0.0215 0.0192
                        (0.1)
1075
                                 (0,.2) 0.2554 0.2528 0.2603 0.2548 0.0369 0.0368 0.0435 0.0368
1076
                                 (0,.5) 0.0509 0.0620 0.0017 0.0512 0.0025 0.0060 0.6000 0.0028
                                         0.0472 0.0489 0.0017 0.0465 0.0011 0.0025 0.0000 0.0011
1077
                                 (0,1)
1078
                                         0.0571 0.0676 0.0017 0.0566 0.0029 0.0075 0.0000 0.0029
                                 (0,2)
                                         0.0570 0.0591 0.0017 0.0563 0.0060 0.0081 0.0000 0.0064
1079
                                 (0,5)
                                 10,101 0.0532 0.0605 0.0017 0.0531 0.0026 0.0071 0.0000 0.0028
1080
1081 4
              G(.1,1) G(.1,1)
                                6(.1,1)
                                         0.5497 0.4797 0.5616 0.5486 0.0857 0.0386 0.0837 0.0852
                                         0.4657 0.4753 0.5017 0.4643 0.0790 0.0487 0.0841 0.0794
1082
               (.2.1)
                       (.2,1)
                                (.2,1)
1083
               (.5,1)
                        (.5,1)
                                 (.5,1)
                                         0.4648 0.4495 0.4391 0.4667 0.0901 0.0757 0.0883 0.0906
                                         0.4943 0.4942 0.5041 0.4961 0.0597 0.0533 0.0737 0.0602
1084
               (1,1)
                        (1,))
                                 (1,1)
                                         0.4930 0.4817 0.4574 0.4940 0.0914 0.0838 0.0861 0.0915
1085
               (2.1)
                        (2,1)
                                 (2.1)
1086
               (1,1)
                        (5,1)
                                 (5,1)
                                         0.4765 0.4732 0.4706 0.4754 0.0798 0.0776 0.0711 0.0806
                                 (10,1) 0.5594 0.5612 0.5399 0.5618 0.0957 0.0950 0.0850 0 0944
1087
               (10.1)
                        (10.1)
1088
               (1,.1)
                        (1,.1)
                                 (1,.1) 0.4029 0.3982 0.4466 0.4044 0.0712 0.0648 0.0823 0.0723
1089
               (1,.2)
                                         0.4473 0.4472 0.4592 0.4491 0.1004 0.0915 0.0897 0 1004
                        11,.21
                                 (1,.2)
1090
               (1,.5)
                                 (1,.5) 0.4325 0.4101 0.4705 0.4359 0.0873 0.0701 0.1013 0.0880
                        (1..5)
1091
                                         0.5359 0.5252 0.5275 0.5366 0.0633 0.0601 0.0681 0 0644
               (1.1)
                        (1,1)
                                 (1,1)
1092
               (1,2)
                        (1.2)
                                 11.21
                                         0.4765 0.4554 0.4683 0.4788 0.0847 0.0722 0.0961 0.0832
1093
               (1,5)
                                         0.5152 0.5085 0.4950 0.5149 0.0957 0.0825 0.0680 0 0955
                        (1.5)
                                 (1.5)
1094
               (1,10)
                        (1,10)
                                 (1,10) 0.5053 0.4888 0.5147 0.5058 0.0793 0.0727 0.0770 0.0791
1095
               (1,1)
                        (1,1)
                                 (.1,1) 0.1952 0.2064 0.0967 0.1955 0.0428 0.0410 0.0300 0 0439
                                 1.2,11 0.2339 0.2409 0.1525 0.2348 0.0496 0.0418 0 0318 0 0494
1096
1097
                                 (.5,1)
                                         0.4170 0.4213 0.3938 0.4200 0.0702 0.0694 0 0724 0 0702
1098
                                         0.4831 0.4748 0.5212 0.4834 0.0788 0.0726 0 0858 0 0796
                                 (1.1)
1099
                                         0.2983 0.3056 0.3034 0.3001 0.0828 0 0785 0.0794 0 0815
                                 (2.11
1100
                                         0.0159 0.0195 0.0241 0.0168 0.0006 0.0012 0 0013 0 0006
                                 (5,1)
                                 (10.1) 0.0034 0.0007 0.0068 0.0040 0.0000 0.0000 0.0000 C 3000
1101
1102
               (1,1)
                        (1,1)
                                 (1,.1) 0.1701 0.1413 0.1065 0.1647 0.0174 0.0170 0 0187 0 0144
                                 (1,.2) 0.2068 0.2042 0.1952 0 2107 0 0426 0 0317 0 0519 0 0436
1103
1104
                                 (1,.5) 0.4001 0.3911 0.4104 0.4000 0 0867 0 0736 0 0888 0 0868
1105
                                 (1,1)
                                         0.4934 0.4785 0.4643 0.4930 0.0789 0 0699 0 0727 0 0805
                                         0.3841 0.3749 0.3901 0.3853 0 0404 0 0574 0 0580 0 05%
1106
                                 (1.2)
1107
                                         0.1090 0.1330 0.1771 0 1098 0 0231 0 0222 0 031 0 .273
                                 (1.51)
```

1106	(1,10) 0.0727 0.1251 0.1044 0.0735 0.0208 0.0218 0.0266 0.0204
1109 3 3 3 (.1,1) (.1,1)	(.1,1) 0.5079 0.4583 0.5416 0.5087 0.0865 0.0265 0.0827 0.0869
1110 (.2,1) (.2,1)	(.2,1) 0.5054 0.4810 0.5401 0.5026 0.0763 0.0487 0.0701 0.0770
1111 (.5,1) (.5,1)	(.5,1) 0.4816 0.4577 0.4816 0.4799 0.0909 0.0649 0.0769 0.0904
1112 (1,1) (1,1)	(1,1) 0.4936 0.4911 0.4855 0.4968 0.0793 0.0730 0.0609 0.079
1113 (2,1) (2,1)	(2,1) 0.4757 0.4585 0.4732 0.4742 0.0737 0.0662 0.0810 0.0742
1114 (1,1) (5,1)	(5,1) 0.4937 0.4943 0.4943 0.4890 0.0720 0.0690 0.0595 0.0733
1115 (10,1) (10,1)	(10,1) 0.4939 0.4963 0.4762 0.4915 0.0729 0.0739 0.0664 0.0734
1116 (1,.1) (1,.1)	{1,.1} 0.4959 0.4813 0.4946 0.4941 0.0958 0.0811 0.0854 0.0960
1117 (1,.2) (1,.2)	(1,.2) 0.4284 0.4142 0.4237 0.4269 0.0763 0.0637 0.0787 0.0776
1118 (1,.5) (1,.5)	(1,.5) 0.4204 0.4060 0.4448 0.4192 0.0723 0.0638 0.0732 0.0714
1119 (1,1) (1,1)	(1,1) 0.4978 0.4993 0.5352 0.4967 0.0822 0.0769 0.0764 0.0824
1120 (1,2) (1,2)	(1,2) 0.4868 0.4860 0.4747 0.4869 0.0968 0.0916 0.1071 0.0971
1121 (1,5) (1,5)	(1,5) 0.5189 0.5070 0.4857 0.5166 0.1044 0.0907 0.1033 0.1042
1122 (1,10) (1,10)	(1,10) 0.4561 0.4396 0.4839 0.4556 0.0796 0.0598 0.0830 0.0801
1123 (1,1) (1,1)	{.1,1} 0.2444 0.2681 0.1594 0.2437 0.0359 0.0316 0.0421 0.0361
1124	(.2,1) 0.2599 0.2703 0.1782 0.2594 0.0517 0.0413 0.0364 0.0509
1125	1.5,1) 0.4246 0.4104 0.4090 0.4234 0.0986 0.0701 0.0968 0.0972
1126	(1,1) 0.4233 0.4220 0.4153 0.4211 0.0700 0.0658 0.0640 0.0700
1127	(2,1) 0.3691 0.3713 0.3661 0.3667 0.0813 0.0745 0.0681 0.0799
1128	(5,1) 0.0639 0.0586 0.0844 0.0637 0.0111 0.0098 0.0117 0.0110
1129	(10,1) 0.0210 0.0044 0.0310 0.0209 0.0001 0.0001 0.0002 0.0001
1130 (1,1) (1,1)	(1,.1) 0.1836 0.2065 0.1454 0.1813 0.0335 0.0270 0.0248 0.0334
1131	(1,.2) 0.2314 0.2376 0.2166 0.2311 0.0450 0.0387 0.0546 0.0460
1132	(1,.5) 0.4524 0.4429 0.4446 0.4508 0.0827 0.0753 0.0776 0.0825
1133	(1,1) 0.5801 0.5569 0.5830 0.5809 0.0787 0.0658 0.0751 0.0786
1134	(1,2) 0.3750 0.3667 0.3557 0.3744 0.0805 0.0670 0.0791 0.0805
1135	(1,5) 0.2194 0.2196 0.2609 0.2195 0.0518 0.0387 0.0695 0.0513
1136	(1,10) 0.0998 0.1438 0.1217 0.0981 0.0261 0.0244 0.0315 0.0271
1177 6 7 7 (1 1)	(1 1) A 5440 A 4000 A 5701 A 5447 A 1010 A 0477 A 0000 A 1001
1137 4 3 3 (.1,1) (.1,1)	(.1,1) 0.5660 0.4909 0.5391 0.5663 0.1019 0.0473 0.0822 0.1021 (.2,1) 0.4832 0.4504 0.4657 0.4837 0.0768 0.0497 0.0847 0.0774
1138 (.2,1) (.2,1) 1139 (.5,1) (.5,1)	(.2,1) 0.4832 0.4504 0.4657 0.4837 0.0768 0.0497 0.0847 0.0774 (.5,1) 0.4794 0.4675 0.5003 0.4817 0.0832 0.0673 0.0868 0.0837
1140 (1,1) (1,1)	(1,1) 0.4835 0.4677 0.4698 0.4823 0.0903 0.0732 0.0880 0.0901
1141 (2,1) (2,1)	(2,1) 0.4897 0.4775 0.5155 0.4873 0.0911 0.0817 0.0822 0.0905
1142 (1,1) (5,1)	(5,1) 0.4687 0.4746 0.4612 0.4680 0.0781 0.0749 0.0855 0.0799
1143 (10,1) (10,1)	110,11 0.5095 0.5048 0.4929 0.5081 0.0903 0.0894 0.0917 0.0920
,	
1144 (1,.1) (1,.1)	(1,.1) 0.4694 0.4639 0.4614 0.4720 0.0777 0.0701 0.0721 0.0773
1145 (1,.2) (1,.2)	(1,.2) 0.4757 0.4779 0.4561 0.4790 0.0769 0.0712 0.0774 0.0782
1146 (1,.5) (1,.5)	(1,.5) 0.4709 0.4735 0.4638 0.4715 0.0905 0.0762 0.0740 0.0911
1147 (1,1) (1,1)	(1,1) 0.4885 0.4748 0.4874 0.4864 0.0681 0.0580 0.0713 0.0684
1148 (1.2) (1.2)	(1,2) 0.5040 0.4983 0.5125 0.5048 0.0965 0.0867 0.0872 0.0952
1149 (1.5) (1.5)	(1,5) 0.45% 0.45% 0.49% 0.45% 0.07% 0.06% 0.06% 0.08% 0.07%
1150 (1,10) (1,10)	(1,10) 0.3707 0.3706 0.4021 0.3681 0.0618 0.0511 0.0645 0.0610
1181 41 11 41 11	(.1,1) 0.2126 0.2212 0.1130 0.2119 0.0464 0.0428 0.0332 0.0474
1152 1153	(.2,1) 0.2988 0.2990 0.2139 0.3004 0.0567 0.0473 0.0673 0.0561 (.5,1) 0.3949 0.4022 0.3581 0.3961 0.0780 0.0714 0.0743 0.0784
1153	(1,1) 0.5272 0.5229 0.5618 0.5238 0.0807 0.0745 0.0725 0.0823
1155	(2,1) 0.3098 0.3128 0.2930 0.3104 0.0735 0.0589 0.0641 0.0735
1156	(5,1) 0.0350 0.0333 0.0630 0.0352 0.0024 0.0028 0.0044 0.0023
1157	(10,1) 0.0080 0.0020 0.0251 0.0078 0.0000 0.0000 0.0002 0.0000
1158 (1,1) (1,1)	(1,.1) 0.2067 0.2144 0.1191 0.2055 0.0283 0.0235 0.0179 0.0280
1154	(1,.2) 0.2204 0.2301 0.2165 0.2195 0.0413 0.0359 0.0607 0.0411
1160	(1,.5) 0.4121 0.3947 0.4077 0.4118 0.0587 0.0497 0.0796 0.0572
1161	(1,1) 0.6157 0.6054 0.5977 0.6188 0.0824 0.0789 0.0779 0.0817
1162	(1,2) 0.3827 0.3786 0.4102 0.3832 0.0817 0.0622 0.0670 0.0826
1163	(1,5) 0.1013 0.1317 0.1715 0.1009 0.0156 0.0153 0.0274 0.0149
1164	(1,10) 0.1187 0.1427 0.1954 0.1192 0.0510 0.0460 0.0726 0.0510
1146 4 T T () T () T 1	())) O E947 A 4818 A E45A A E748 A A761 A A775 A A775 A A775
1165 6 3 2 (.1,1) (.1,1) 1166 (.2,1) (.2,1)	
1166 [.2,1] (.2,1) 1167 [.5,1] (.5,1]	(.5,1) 0.5271 0.5131 0.5097 0.5258 0.0908 0.0745 0.0831 0.0913
**** **** ***** ******	1.511 0.5611 0.5151 0.5011 0.5150 0.0700 0.0145 0.0031 0.0415

1168			(1,1)	(1,1)	(1,1)	0.5031	0.4948	0.5137	0.5082	0.0938	0.0869	0.0962	0.0920
1169			(2,1)	(2,1)	(2,1)	0.4398	0.4286	0.4392	0.4405	0.0850	0.0765	0.0870	0.0855
1170			(1,1)	(5,1)	(5,1)	0.4568	0.4649	0.4559	0.4559	0.0928	0.0932	0.0828	0.0899
1171			(10,1)	(10,1)	(10,1)							0.0776	
11/1			(10,1)	(10,1)	(10,1,	0.3030	0.5000	0.5707	0.5047	0.0030	0.0641	0.0//6	0.0034
1172			(1,.1)	(1,.1)	(1,.1)							0.0848	
1173			(1,.2)	(1,.2)	(1,.2)	0.4507	0.4448	0.4557	0.4504	0.0842	0.0770	0.0860	0.0848
1174			(1,.5)	(1,.5)	(1,.5)	0.5240	0.5170	0.4903	0.5268	0.0819	0.0755	0.0909	0.0808
1175			(1,1)	(1,1)	(1,1)							0.0793	
1176				-									
			(1,2)	(1,2)	(1,2)							0.0744	
1177			(1,5)	(1,5)	(1,5)	0.5501	0.5267	0.5223	0.5474	0.0874	0.0706	0.0974	0.0881
1178			(1,10)	(1,10)	(1,10)	0.4445	0.4405	0.4578	0.4449	0.0942	0.0851	0.0944	0.0942
1179			(1,1)	(1,1)	(.1,1)	0.3124	0.3133	0.1372	0.3112	0.0535	0 0434	0.0360	0.0528
1180				,	(.2,1)							0.0589	
1181					(.5,1)							0.0866	
1182					(1,1)	0.5436	0.5270	0.5174	0.5435	0.0798	0.0720	0.0964	0.0794
1183					(2,1)	0.3229	0.3240	0.3497	0.3224	0.1041	0.0954	0.0946	0.1045
1184					(5,1)							0.0187	
					-								
1185					(10,1)	0.0147	0.0034	0.0816	0.0155	0.0001	0.0001	0.0015	0.0001
1186			(1,1)	(1,1)	(1,.1)	0.3577	0.3632	0.2454	0.3563	0.0341	0.0294	0.0495	0.0342
1187					(1,.2)	0.4033	0.3929	0.3393	0.4063	0.0729	0.0562	0.0661	0.0739
1188					(1,.5)							0.0835	
					(1,1)								
1189					- •					-		0.0904	
1190					(1,2)	0.3821	0.3904	0.4272	0.3823	0.0761	0.0695	0.0743	0.0765
1191					(1,5)	0.1856	0.2076	0.2977	0.1860	0.0625	0.0588	0.0803	0.0628
1192					(1,10)	0.1065	0.1282	0 2159	0 1051	0.0320	0 0331	0.0579	0.0312
/-					(2,20,	0.2002	U. 1101	0.2257	0.1031	0.0320	0.0331	0.0377	U.UJIL
1193 4		4	W(1 1)	M(1 1)	W/ 1 11	0 4947	0 6056		0 (001				
	4	4	-	H(.1,1)	-								
1194			(.2,1)	(.2,1)	(.2,1)	0.4785	0.4189	0.4398	0.4800	0.0840	0.0292	0.1004	0.0839
1195			(.5,1)	(.5,1)	(.5,1)	0.5190	0.4898	0.4944	0.5164	0.0949	0.0651	0.0874	0.0963
1196			(1,1)	(1,1)	(1,1)							0.0873	
/-													
1107			12 11	(21)		0 4004		0 6061					0.006
1197			(2,1)	(2,1)	(2,1)		0.5003		0.4975	0.0951	0.0945	0.0993	
1198			(1,1)	(2,1) (5,1)		0.5369	0.5003 0.5377	0.5162	0.4975 0.5352	0.0951 0.0869	0.0945 0.0876	0.0993 0.0811	0.0875
					(2,1)	0.5369	0.5003 0.5377	0.5162	0.4975 0.5352	0.0951 0.0869	0.0945 0.0876	0.0993	0.0875
1198			(1,1)	(5,1)	(2,1) (5,1)	0.5369	0.5003 0.5377	0.5162	0.4975 0.5352	0.0951 0.0869	0.0945 0.0876	0.0993 0.0811	0.0875
1198 1199			(1,1) (10,1)	(5,1) (10,1)	(2,1) (5,1) (10,1)	0.5369 0.5276	0.5003 0.5377 0.5175	0.5162 0.5220	0.4975 0.5352 0.5281	0.0951 0.0869 0.0982	0.0945 0.0876 0.0933	0.0993 0.0811 0.0943	0.0875 0.0985
1198 1199 1200			(1,1) (10,1) (1,.1)	(5,1) (10,1) (1,.1)	(2,1) (5,1) (10,1) (1,.1)	0.5369 0.5276 0.5466	0.5003 0.5377 0.5175 0.5359	0.5162 0.5220 0.5600	0.4975 0.5352 0.5281 0.5498	0.0951 0.0869 0.0982 0.0819	0.0945 0.0876 0.0933 0.0738	0.0993 0.0811 0.0943 0.0779	0.0875 0.0985 0.0830
1198 1199 1200 1201			(1,1) (10,1) (1,.1) (1,.2)	(5,1) (10,1) (1,.1) (1,.2)	(2,1) (5,1) (10,1) (1,.1) (1,.2)	0.5369 0.5276 0.5466 0.5082	0.5003 0.5377 0.5175 0.5359 0.4884	0.5162 0.5220 0.5600 0.5129	0.4975 0.5352 0.5281 0.5498 0.5031	0.0951 0.0869 0.0982 0.0819 0.0895	0.0945 0.0876 0.0933 0.0738 0.0750	0.0993 0.0811 0.0943 0.0779 0.0928	0.0875 0.0985 0.0830 0.0895
1198 1199 1200 1201 1202			(1,1) (10,1) (1,.1) (1,.2) (1,.5)	(5,1) (10,1) (1,.1) (1,.2) (1,.5)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5)	0.5369 0.5276 0.5466 0.5082 0.5218	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090	0.5162 0.5220 0.5600 0.5129 0.5265	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672	0.0875 0.0985 0.0830 0.0895 0.0588
1198 1199 1200 1201			(1,1) (10,1) (1,.1) (1,.2)	(5,1) (10,1) (1,.1) (1,.2)	(2,1) (5,1) (10,1) (1,.1) (1,.2)	0.5369 0.5276 0.5466 0.5082 0.5218	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090	0.5162 0.5220 0.5600 0.5129 0.5265	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514	0.0993 0.0811 0.0943 0.0779 0.0928	0.0875 0.0985 0.0830 0.0895 0.0588
1198 1199 1200 1201 1202			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888
1198 1199 1200 1201 1202 1203 1204			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934
1198 1199 1200 1201 1202 1203 1204 1205			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681
1198 1199 1200 1201 1202 1203 1204			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681
1198 1199 1200 1201 1202 1203 1204 1205 1206			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671	0.0945 0.0876 0.0933 0.0758 0.0750 0.0514 0.0807 0.0834 0.0584	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749	0.0875 0.0985 0.0830 0.0895 0.0588 0.0988 0.0934 0.0681 0.0680
1198 1199 1200 1201 1202 1203 1204 1205 1206			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0749 0.0628 0.1190	0.0875 0.0985 0.0830 0.0895 0.0588 0.0934 0.0681 0.0680
1198 1199 1200 1201 1202 1203 1204 1205 1206			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749	0.0875 0.0985 0.0830 0.0895 0.0588 0.0934 0.0681 0.0680
1198 1199 1200 1201 1202 1203 1204 1205 1206			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820	0.0875 0.0985 0.0830 0.0895 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439
1198 1199 1200 1201 1202 1203 1204 1205 1206			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (.1,1) (.2,1) (.5,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962	0.0875 0.0830 0.0839 0.0588 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0831	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795	0.0875 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4718	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.5026 0.5194 0.5027 0.4609 0.4419 0.4413 0.4710	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0317 0.0661 0.0748 0.0804	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833	0.0875 0.0985 0.0830 0.0895 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4718	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.5026 0.5194 0.5027 0.4609 0.4419 0.4413 0.4710	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0317 0.0661 0.0748 0.0804	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795	0.0875 0.0985 0.0830 0.0895 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4718	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188 0.4170 0.4326	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784	0.0951 0.0869 0.0982 0.0819 0.0879 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0948	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0317 0.0661 0.0748 0.0804 0.0819	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833 0.0641	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0929 0.0989
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4718 0.4778	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188 0.4170 0.4326	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784	0.0951 0.0869 0.0982 0.0819 0.0879 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0948	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0317 0.0661 0.0748 0.0804 0.0819	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833 0.0641	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0929 0.0989
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4778 0.4020	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3711 0.4091 0.4357 0.4522 0.4582 0.3961	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188 0.4770 0.4326 0.3411	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4413 0.4710 0.4784 0.4010	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0982 0.0953 0.0992	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833	0.0875 0.0985 0.0830 0.0895 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0931 0.0929 0.0986
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4718 0.4778 0.4020	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3711 0.4091 0.4357 0.4582 0.4582 0.3961	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188 0.4770 0.3411	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4413 0.4710 0.4784 0.4010	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0831 0.0982 0.0953 0.0992	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0634 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989 0.0940
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1) (1,1) (1,1) (1,1) (1,.1) (1,.2)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4718 0.4778 0.4020	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582 0.3961 0.4647 0.5129	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0982 0.0953 0.0992	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989 0.0986
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1) (1,1) (1,1) (1,1) (1,.2) (1,.5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4718 0.4778 0.4020	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582 0.4582 0.4582 0.4582 0.4582	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5262 0.4908	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0953 0.0953 0.0992 0.0856 0.0750 0.0842	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835	0.0875 0.0830 0.0895 0.0588 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989 0.0986 0.0986
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1) (1,1) (1,1) (1,1) (1,.1) (1,.2)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4718 0.4778 0.4020	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582 0.4582 0.4582 0.4582 0.4582	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5262 0.4908	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0953 0.0953 0.0992 0.0856 0.0750 0.0842	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835	0.0875 0.0830 0.0895 0.0588 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989 0.0986 0.0986
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (1,1) (1,.2) (1,.5) (1,.5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4718 0.4778 0.5251 0.5251 0.4770	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582 0.3961 0.4647 0.5129 0.4637 0.4830	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5262 0.4908	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010	0.0951 0.0869 0.0982 0.0819 0.0879 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0953 0.0953 0.0992 0.0856 0.0750 0.0842	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835	0.0875 0.0985 0.0830 0.0895 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989 0.0940 0.0986
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (2,1) (1,.1) (1,.2) (1,.5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.5009 0.5204 0.4957 0.4601 0.4427 0.4718 0.4778 0.4020 0.4775 0.5251 0.4770 0.4857 0.5200	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4357 0.4522 0.4582 0.3961 0.4647 0.5129 0.4647 0.4830 0.5011	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5262 0.4908 0.4903 0.5257	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.5026 0.5194 0.5027 0.4609 0.4413 0.4710 0.4784 0.4010 0.4820 0.5241 0.4778 0.4861 0.5180	0.0951 0.0869 0.0982 0.0819 0.0879 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0982 0.0953 0.0992 0.0856 0.0750 0.0750	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835 0.0680 0.0769 0.0858	0.0875 0.0985 0.0830 0.0895 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989 0.0986 0.0986 0.0862 0.0749 0.0828 0.0759
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (2,1) (1,.1) (1,.2) (1,.2) (1,.5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4778 0.4778 0.4778 0.4775 0.4857 0.4857 0.4785	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4522 0.4582 0.3961 0.4647 0.5129 0.4617 0.4630 0.5011 0.4686	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188 0.4188 0.4326 0.3411 0.5073 0.5262 0.4908 0.4903 0.5257 0.5018	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010 0.4784 0.5241 0.4784 0.5241 0.4784 0.5241 0.4820 0.5241 0.4820 0.5241	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0982 0.0953 0.0953 0.0750 0.0856 0.0750 0.0758	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0819 0.0905 0.0737 0.0669 0.0733	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835 0.0640 0.0769 0.0858 0.0742 0.0811	0.0875 0.0830 0.0895 0.0888 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0929 0.0989 0.0940 0.0986 0.0749 0.0862 0.0749 0.0759 0.0759
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (2,1) (1,.1) (1,.2) (1,.5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4778 0.4778 0.4778 0.4775 0.4857 0.4857 0.4785	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4522 0.4582 0.3961 0.4647 0.5129 0.4617 0.4630 0.5011 0.4686	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4188 0.4188 0.4326 0.3411 0.5073 0.5262 0.4908 0.4903 0.5257 0.5018	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010 0.4784 0.5241 0.4784 0.5241 0.4784 0.5241 0.4820 0.5241 0.4820 0.5241	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0982 0.0953 0.0953 0.0750 0.0856 0.0750 0.0758	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0819 0.0905 0.0737 0.0669 0.0733	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835 0.0680 0.0769 0.0858	0.0875 0.0830 0.0895 0.0888 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0929 0.0989 0.0940 0.0986 0.0749 0.0862 0.0749 0.0759 0.0759
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220			(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,1) (1,2) (1,5) (1,10) (1,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (1,.1) (1,.2) (1,.5) (1,1) (1,.2) (1,.5) (1,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4778 0.4778 0.4778 0.4775 0.5251 0.4770 0.4857 0.4857 0.4992	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3711 0.4091 0.4357 0.4522 0.4582 0.3961 0.4647 0.5129 0.4647 0.4830 0.5011 0.4686 0.4925	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5262 0.4908 0.4903 0.5257 0.5018 0.4647	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.4609 0.4419 0.4413 0.4710 0.4784 0.4010 0.4820 0.5241 0.4778 0.4861 0.4823 0.4957	0.0951 0.0869 0.0889 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0953 0.0953 0.0953 0.0750 0.0856 0.0750 0.0768 0.0768	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0634 0.0584 0.0659 0.0317 0.0661 0.0748 0.0819 0.0905 0.0737 0.0669 0.0733 0.0705 0.0734 0.0723	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835 0.0818 0.0769 0.0858 0.0769	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0940 0.0986 0.0749 0.0862 0.0749 0.0828 0.0759 0.0759
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220	3	3	(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (.1,1) (2,1) (2,1) (2,1) (1,1) (1,.2) (1,.5) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4718 0.4778 0.4020 0.4775 0.5251 0.4770 0.5251 0.4785 0.4785 0.4992	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4522 0.4582 0.4582 0.4647 0.5129 0.4647 0.4830 0.5011 0.4685 0.4925 0.4527	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5252 0.4908 0.4903 0.5257 0.5018 0.4647	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010 0.4820 0.5241 0.4784 0.4010 0.4820 0.5241 0.4784 0.4957	0.0951 0.0869 0.0889 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0953 0.0992 0.0856 0.0750 0.0842 0.0768 0.0763 0.0763	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905 0.0737 0.0669 0.0733 0.0705 0.0734 0.0723	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835 0.0769 0.0858 0.0769 0.0858 0.0742 0.0811 0.0829	0.0875 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0986 0.0986 0.0749 0.0828 0.0749 0.0828 0.0759 0.0759
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220	3	3	(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,1) (1,2) (1,5) (1,10) (1,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (1,.1) (1,.2) (1,.5) (1,1) (1,.2) (1,.5) (1,1)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4718 0.4778 0.4020 0.4775 0.5251 0.4770 0.5251 0.4785 0.4785 0.4992	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4522 0.4582 0.4582 0.4647 0.5129 0.4647 0.4830 0.5011 0.4685 0.4925 0.4527	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5252 0.4908 0.4903 0.5257 0.5018 0.4647	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010 0.4820 0.5241 0.4784 0.4010 0.4820 0.5241 0.4784 0.4957	0.0951 0.0869 0.0889 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0953 0.0992 0.0856 0.0750 0.0842 0.0768 0.0763 0.0763	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905 0.0737 0.0669 0.0733 0.0705 0.0734 0.0723	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835 0.0818 0.0769 0.0858 0.0769	0.0875 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0986 0.0986 0.0749 0.0828 0.0749 0.0828 0.0759 0.0759
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220	3	3	(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (.1,1) (2,1) (2,1) (2,1) (1,1) (1,.2) (1,.5) (1,1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4778 0.4020 0.4775 0.5251 0.4770 0.4857 0.5200 0.4785 0.4992	0.5003 0.5377 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4522 0.4582 0.4582 0.4647 0.5129 0.4617 0.4830 0.5011 0.4686 0.4925 0.4527 0.4647	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5262 0.4908 0.4903 0.5257 0.5018 0.4647	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010 0.4820 0.5241 0.4778 0.4861 0.5180 0.4823 0.4957	0.0951 0.0869 0.0889 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0953 0.0992 0.0856 0.0750 0.0842 0.0763 0.0763 0.0790 0.0787	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905 0.0737 0.0669 0.0733 0.0705 0.0734 0.0723	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0795 0.0833 0.0641 0.0835 0.0769 0.0858 0.0769 0.0858 0.0742 0.0811 0.0829	0.0875 0.0830 0.0895 0.0588 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0986 0.0986 0.0749 0.0828 0.0779 0.0759 0.0759
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220	3	3	(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (2,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4413 0.4718 0.4778 0.5251 0.4770 0.4857 0.5250 0.4785 0.4992 0.5463 0.4992	0.5003 0.5377 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582 0.3961 0.4647 0.5129 0.4617 0.4686 0.4925 0.4527 0.4447 0.4414	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5262 0.4908 0.5257 0.5018 0.4647 0.5119 0.4915 0.4925	0.4975 0.5352 0.5281 0.5498 0.5031 0.5201 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4419 0.4710 0.4784 0.4010 0.4820 0.5241 0.4778 0.4861 0.5180 0.4823 0.4957 0.5546 0.4589 0.4735	0.0951 0.0869 0.0982 0.0819 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0953 0.0953 0.0953 0.0750 0.0856 0.0750 0.0763 0.0790 0.0787	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0905 0.0737 0.0669 0.0733 0.0705 0.0734 0.0723 0.0723	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0628 0.1190 0.0820 0.0795 0.0833 0.0641 0.0835 0.0769 0.0858 0.0769 0.0858 0.0742 0.0811 0.0829	0.0875 0.0830 0.0895 0.0588 0.0588 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0989 0.0986 0.0986 0.0749 0.0828 0.0779 0.0759 0.0759 0.0759
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220	3	3	(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,10) (1,1) (1,1) (1,1) (1,1) (2,1) (.5,1) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (2,1) (1,.2) (1,.2) (1,.5) (1,1) (1,.2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4778 0.4020 0.4775 0.5251 0.4770 0.4857 0.5250 0.4785 0.4992 0.5463 0.4992	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4527 0.4582 0.4647 0.5129 0.4647 0.5129 0.4647 0.4647 0.4646 0.4925 0.4647 0.4686 0.4925 0.4527 0.4444 0.4286	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.5447 0.4119 0.4122 0.4838 0.4770 0.4326 0.3411 0.5073 0.5262 0.4908 0.4903 0.5257 0.5018 0.4647	0.4975 0.5352 0.5352 0.5281 0.5498 0.5031 0.4934 0.4986 0.5026 0.5027 0.4609 0.4419 0.4413 0.4710 0.4784 0.4010 0.4820 0.5241 0.4784 0.4010 0.4820 0.5241 0.5241 0.4957	0.0951 0.0869 0.0889 0.0875 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0982 0.0953 0.0953 0.0750 0.0856 0.0750 0.0788 0.0750 0.0788 0.0790 0.0788	0.0945 0.0876 0.0933 0.0750 0.0514 0.0807 0.0834 0.0584 0.0584 0.0659 0.0386 0.0317 0.0661 0.0748 0.0819 0.0905 0.0737 0.0669 0.0733 0.0705 0.0734 0.0734 0.0723	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0820 0.0962 0.0795 0.0835 0.0641 0.0835 0.0640 0.0769 0.0858 0.0742 0.0811 0.0829	0.0875 0.0830 0.0895 0.0888 0.0934 0.0681 0.0680 0.1570 0.1570 0.1439 0.0931 0.0829 0.0986 0.0986 0.0986 0.0759 0.0759 0.0759 0.0759 0.0756 0.0756 0.0756 0.0862
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 3 1222 1223 1224 1225	3	3	(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (1,1) (1,1) (1,1) (.2,1) (.5,1) (.5,1) (.2,1)	(5,1) (10,1) (1,.1) (1,.2) (1,1) (1,2) (1,5) (1,10) (1,1) (1,1) (1,1) (.2,1) (.2,1) (.5,1) (1,1) (2,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (1,.1) (1,.2) (1,.5) (1,1) (1,.5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4718 0.4020 0.4778 0.4020 0.4775 0.5251 0.4770 0.4857 0.5251 0.4785 0.4992 0.5463 0.4614 0.4736 0.4299 0.4613	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582 0.3961 0.4647 0.5129 0.4647 0.5129 0.4647 0.4686 0.4925	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.4119 0.4122 0.4838 0.4188 0.4770 0.3411 0.5073 0.5262 0.4908 0.4903 0.5257 0.5018 0.4915 0.4915 0.4915 0.4915 0.4925 0.4925 0.4925	0.4975 0.5352 0.5352 0.5281 0.5498 0.5031 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4413 0.4710 0.4784 0.4010 0.4820 0.5241 0.4788 0.4780 0.4823 0.4957 0.5546 0.4589 0.4735 0.4589	0.0951 0.0869 0.0889 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0982 0.0953 0.0992 0.0856 0.0750 0.0780 0.0780 0.0783 0.0790 0.0818 0.0805 0.0788	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0705 0.0737 0.0669 0.0733 0.0705 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0820 0.0962 0.0795 0.0833 0.0641 0.0835 0.0769 0.0858 0.0769 0.0858 0.0762 0.0705 0.0811 0.0829	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0940 0.0986 0.0749 0.0828 0.0759 0.0759 0.0759 0.0756 0.0756 0.0756 0.0811 0.07840 0.0870 0.0809
1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220	3	3	(1,1) (10,1) (1,.1) (1,.2) (1,.5) (1,10) (1,1) (1,1) (1,1) (1,1) (2,1) (.5,1) (1,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1)	(2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,5) (1,10) (.1,1) (2,1) (5,1) (1,1) (2,1) (1,.2) (1,.2) (1,.5) (1,1) (1,.2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5) (1,1) (1,2) (1,5)	0.5369 0.5276 0.5466 0.5082 0.5218 0.4918 0.4986 0.5009 0.5204 0.4957 0.4601 0.4427 0.4718 0.4020 0.4778 0.4020 0.4775 0.5251 0.4770 0.4857 0.5251 0.4785 0.4992 0.5463 0.4614 0.4736 0.4299 0.4613	0.5003 0.5377 0.5175 0.5359 0.4884 0.5090 0.4782 0.4886 0.4955 0.5136 0.3418 0.3711 0.4091 0.4357 0.4522 0.4582 0.3961 0.4647 0.5129 0.4647 0.5129 0.4647 0.4686 0.4925	0.5162 0.5220 0.5600 0.5129 0.5265 0.4712 0.5391 0.4827 0.4119 0.4122 0.4838 0.4188 0.4770 0.3411 0.5073 0.5262 0.4908 0.4903 0.5257 0.5018 0.4915 0.4915 0.4915 0.4915 0.4925 0.4925 0.4925	0.4975 0.5352 0.5352 0.5281 0.5498 0.5031 0.4934 0.4986 0.5026 0.5194 0.5027 0.4609 0.4413 0.4710 0.4784 0.4010 0.4820 0.5241 0.5458 0.5588 0.	0.0951 0.0869 0.0889 0.0895 0.0579 0.0898 0.0944 0.0671 0.0680 0.1540 0.1443 0.0948 0.0982 0.0953 0.0992 0.0856 0.0750 0.0780 0.0780 0.0783 0.0790 0.0818 0.0805 0.0788	0.0945 0.0876 0.0933 0.0738 0.0750 0.0514 0.0807 0.0834 0.0659 0.0386 0.0317 0.0661 0.0748 0.0804 0.0819 0.0705 0.0737 0.0669 0.0733 0.0705 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734 0.0734	0.0993 0.0811 0.0943 0.0779 0.0928 0.0672 0.0683 0.0809 0.0749 0.0820 0.0962 0.0795 0.0835 0.0641 0.0835 0.0640 0.0769 0.0858 0.0742 0.0811 0.0829	0.0875 0.0985 0.0830 0.0895 0.0588 0.0888 0.0934 0.0681 0.0680 0.1570 0.1439 0.0931 0.0829 0.0940 0.0986 0.0749 0.0828 0.0759 0.0759 0.0759 0.0756 0.0756 0.0756 0.0811 0.07840 0.0870 0.0809

especial especial processes processes processes personal

1226		(11)	(1, 1)	0 4010 0 5		14 0 4041		A 0774 A 0404 A 401.
1229	(1,.1) (1,.2)	(1,.2)	(1, 2)					0 0772 0 0696 0 6916
1230	(1.5)	(1,.5)	(1.5)					0 9670 2 0790 2 9618
1231	(1,1)	(1.1)	(1.1)					0 0717 0 0751 0 0824
	(1.2)	- • -	(1.2)					0 0042 2 0764 3 0754
1232		(1.2)						
1235	(1,6)	11,51	(1.5)					0 0724 0 0836 0 0867
1234	(1,10)	11,10)	(1,10)	0.4833 0 4	700 0.49	PO 0	97	0 0658 0 0667 0 073
1235	(1.1)	(1.1)	(1,1)	0 4474 0 5	781 0 67	47 0 47 9 4	0 119	0 0350 0 1017 0 1016
1236			1 2.11					0 000/ 0 1000 0 1581
1237			1.5.11					0 0627 0 0701 0 0728
1238			(1.1)					9 967 0 9766 0 9668
1259			(2.1)					0 0005 0 0778 0 0002
1240			(5,1)					0 0796 0 0617 0 0665
1241			(10,1)					0 0904 0 0044 0 1055
				0 3000		- 0 70.1	• •••	0 0 00 0 0000 0 1033
1242	(1,1)	(1,1)	(1,.1)	0.5238 0 5	228 0 53	07 0 5214	0 0067	0 0000 0 0958 0 0002
1243			(1, 2)	0.50% 0.3	809 0 40	55 0 3910	0 0742	0 0-18 0 08-9 0 0781
1244			11.51	0.4957 0.4	795 0 45	78 0 4960	0 0776	0 0000 0 0730 0 0770
1245			(1,1)	0 4424 0 4	435 0 44	.0 0 4403	0 0774	0 0685 0 0911 0 0756
1246			(1,2)	0.5112 0.4	957 0.50	64 0 512Z	0 00°Z	0 0744 0 0866 0 0842
1247			11,51	0.4241 0.4	159 0.42	.5 0 42 90	0 0616	0 0707 0 0704 0 0612
1248			(1,10)	0.4153 0.3	105 0.46	37 0 4148	0.0616	0 0525 0 0706 0 0602
1249 4 3 3	(.1,1)	(.1.1)	(.1,1)					0 0146 0 0625 0 0001
1250	(.2,1)	E.2,11	(.2,1)			· · · ·		0 0344 0 0492 0 1074
1251	(.5,1)	(.5,1)	(.5.1)					0 0501 0 0925 0 0930
1252	(1,1)	(1,1)	(1,1)	-				0 0804 0 0404 0 0867
1253	(2,1)	(2,1)	12.11					0 0714 0 0710 0.0445
1254	(1.1)	(5,1)	(5,1)					0 0770 0 0720 0 0777
1255	(10,1)	(10,1)	(10,1)	0.5224 0.5	241 0.52	18 0.5231	0.0435	0.044 0.044 0.0437
1256	(1,.1)	(1,.1)	(11)			10 0 5044		0.0689 0.0733 0.0732
1257	(1,.2)	(1,.2)	(12)					0 0618 0 0652 0 0711
1258	(1,.5)	(1,.5)						0 0675 0 0672 0 0961
			(1,.5)					
1259	(1,1)	(1,1)	(1,1)					0.0790 0.1057 0.0063
1260	(1,2)	(1,2)	(1,2)					0.0793 0.0721 0 0929
1261	(1,5)	(1,5)	(1.5)					0.0788 0.0909 0.0852
1262	(1,10)	(1,10)	(1,10)	0.4724 0.4) , , , , , , , , , , , , , , , , , , , 	BU U.4722	0.0641	0.0615 0 0629 0.0646
1263	(1,1)	(1.1)	(.1.1)	0.4043 0.3	333 0.44	AA 0.3998	0.0403	0.0193 0.0044 0.0401
1264			1.2.1)					0.0423 0.1010 0.0612
1265			1.5.11					0.0795 0.0884 0.0944
1266			(1,1)		_			
1267				U. 94894 U. 9	1723 O.43	81 O 48 2%	0.0714	
			12.11					0.0644 0.0712 0.0712
1268			(2,1) (5,1)	0.5784 0.5	523 0.56	44 0.5797	0.0041	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842
12 68 1269			(2,1) (5,1) (10,1)	0.5784 0.5 0.5233 0.5	523 0.54 174 0.50	44 0.5797 39 0.5255	0.0041	0.0644 0.0712 0.0712
1269			(5,1) (10,1)	0.5784 0.5 0.5233 0.5	523 0.54 174 0.50	44 0.5797 39 0.5255	0.0041	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825
	(1,1)	(1,1)	(5,1)	0.5784 0.5 0.5233 0.5 0.4580 0.4	5523 0.56 5174 0.50 5343 0.58	44 0.5797 39 0.5255 28 0.4540	0.0641 0.0632 0.0967	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825
1269 1270 1271	(1,1)	(1,1)	(5,1) (10,1)	0.5784 0.5 0.5233 0.5 0.4580 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47	44 0.5797 39 0.5258 28 0.4540 04 0.4735	0.0841 0.0832 0.0987	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972
1269 1270	(1,1)	(1,1)	(15,1) (10,1) (1,.1) (1,.2)	0.5784 0.5 0.5233 0.5 0.4580 0.4 0.4724 0.4 0.5062 0.4	523 0.56 5174 0.50 543 0.38 589 0.47	44 0.5797 39 0.5255 28 0.4560 04 0.4735 24 0.5035	0.041 0.0432 0.0467 0.0871 0.0855	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0766 0.0919 0.0877
1269 1270 1271	(1,1)	(1,1)	(15,1) (10,1) (1,.1) (1,.2)	0.5784 0.5 0.5233 0.5 0.4580 0.4 0.4726 0.4 0.5062 0.4	5523 0.56 5174 0.50 543 0.38 9589 0.47 909 0.50	44 0.5797 39 0.5255 28 0.4560 06 0.4735 24 0.5035 62 0.5170	0.0841 0.0832 0.0967 0.0871 0.0855 0.0914	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856
1269 1270 1271 1272	(1,1)	(1,1)	(1,.1) (1,.2) (1,.5)	0.5784 0.5 0.5233 0.5 0.4580 0.4 0.4726 0.4 0.5062 0.4 0.5165 0.4 0.5434 0.5	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 548 0.49	44 0.5797 39 0.5258 28 0.4540 06 0.4735 24 0.5035 62 0.5170 03 0.5484	0.0841 0.0832 0.0967 0.0871 0.0855 0.0914 0.0954	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920
1269 1270 1271 1272 1273	(1,1)	(1,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1)	0.5786 0.5 0.5233 0.5 0.4580 0.4 0.4726 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5	5523 0.56 5174 0.50 5343 0.38 5889 0.47 5909 0.50 5948 0.49 5218 0.54 5180 0.55	44 0.5797 39 0.5258 28 0.4540 06 0.4735 24 0.5035 62 0.5170 03 0.5484 38 0.5287	0.0841 0.0832 0.0987 0.0851 0.0855 0.0914 0.0954	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936
1269 1270 1271 1272 1273 1274	(1,1)	(1,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5)	0.5786 0.5 0.5233 0.5 0.4580 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5 0.4680 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 548 0.49 5218 0.56 5180 0.55 5596 0.48	44 0.5797 39 0.5258 28 0.4540 06 0.4735 24 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489	0.0841 0.0832 0.0987 0.0855 0.0914 0.0954 0.0845 0.0853	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552
1269 1270 1271 1272 1273 1274 1275 1276			(1,.1) (1,.1) (1,.2) (1,.5) (1,.5) (1,1) (1,2) (1,5) (1,10)	0.5784 0.5 0.5233 0.5 0.4580 0.4 0.5062 0.4 0.5165 0.4 0.5434 0.5 0.5302 0.5 0.6480 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 5948 0.49 5180 0.55 5596 0.48 543 0.49	44 0.5797 39 0.5255 28 0.4540 06 0.4735 24 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489 57 0.5013	0.0841 0.0832 0.0967 0.0851 0.0916 0.0956 0.0956 0.0853 0.0876	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0750 0.0871 0.0792 0.0920 0.0859
1269 1270 1271 1272 1273 1274 1275 1276	(.1,1)	(.1,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,.5) (1,1) (1,5) (1,10)	0.5784 0.5 0.5233 0.6 0.4580 0.4 0.5062 0.4 0.5165 0.4 0.5434 0.5 0.5434 0.5 0.5438 0.4 0.5028 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 5948 0.49 5218 0.56 5180 0.58 5596 0.48 5943 0.49	44 0.5797 39 0.5255 28 0.4540 06 0.4735 24 0.5035 62 0.5170 03 0.5484 38 0.5484 57 0.5013 18 0.5422	0.0041 0.0032 0.0467 0.0855 0.0456 0.0456 0.0853 0.0853 0.0859	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0722 0.0859 0.0792 0.0920 0.0859
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2	(.1,1) (.2,1)	(.1,1) (.2,1)	(5,1) (10,1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,11) (.2,1)	0.5786 0.5 0.5233 0.5 0.4560 0.4 0.4726 0.4 0.5062 0.4 0.5165 0.4 0.5436 0.5 0.5302 0.5 0.6028 0.4 0.5528 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 5948 0.49 5218 0.55 5596 0.48 5443 0.49 5838 0.52 5973 0.52	44 0.5797 39 0.5258 28 0.4540 06 0.4735 24 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489 67 0.5013	0.0841 0.0832 0.0867 0.0855 0.0914 0.0954 0.0845 0.0845 0.0853 0.0876	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0722 0.0859 0.0792 0.0762 0.0859
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279	(.1,1) (.2,1) (.5,1)	(.1,1) (.2,1) (.5,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,10)	0.5786 0.5 0.5233 0.5 0.4560 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5 0.5302 0.5 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5150 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 5948 0.49 5218 0.55 5596 0.48 5443 0.49 5638 0.52 5737 0.49	44 0.5797 39 0.5258 28 0.4560 06 0.4735 22 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489 57 0.5013 18 0.5422 77 0.5618 27 0.5135	0.0841 0.0832 0.0867 0.0865 0.0914 0.0845 0.0845 0.0853 0.0876	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0722 0.0859 0.0792 0.0720 0.0859 0.0242 0.0762 0.0719 0.0437 0.0951 0.0997
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280	(.1,1) (.2,1) (.5,1) (1,1)	(.1,1) (.2,1) (.5,1) (1,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1) (.2,1) (.2,1) (.5,1) (.5,1)	0.5786 0.5 0.5233 0.5 0.4560 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5 0.4680 0.4 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5150 0.4 0.4465 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 548 0.49 5218 0.56 5180 0.55 5596 0.48 543 0.49 543 0.52 5737 0.49 5737 0.49	44 0.5797 39 0.5258 28 0.4560 06 0.4735 24 0.5035 82 0.5170 03 0.5484 38 0.5287 09 0.4489 57 0.5013 18 0.5422 77 0.5618 27 0.5135 41 0.4426	0.0841 0.0832 0.0987 0.0855 0.0914 0.0954 0.0845 0.0853 0.0856 0.0859 0.1004 0.0914 0.1031	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0750 0.0871 0.0792 0.0920 0.0859 0.0242 0.0762 0.0719 0.037 0.0951 0.0997 0.0437 0.0796 0.0925 0.0932 0.0958 0.1045
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280 1281	(.1,1) (.2,1) (.5,1) (1,1) (2,1)	(.1,1) (.2,1) (.5,1) (1,1) (2,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,10) (1,1) (1,2) (1,1) (1,1) (1,1) (1,1) (1,1)	0.5786 0.5 0.5233 0.5 0.4580 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5 0.4680 0.4 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5150 0.4 0.5150 0.4 0.5265 0.5	523 0.56 5174 0.50 5343 0.38 5589 0.47 909 0.50 948 0.49 5218 0.55 5596 0.48 548 0.52 5737 0.49 5375 0.49	44 0.5797 39 0.5258 28 0.4560 06 0.4735 24 0.5035 82 0.5170 03 0.5484 38 0.5287 09 0.4489 57 0.5013 18 0.5422 77 0.5618 27 0.5135 41 0.4424 45 0.5257	0.0841 0.0832 0.0987 0.0851 0.0954 0.0954 0.0954 0.0853 0.0876 0.1004 0.1004 0.1031 0.0892	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0722 0.0859 0.0422 0.0762 0.0859 0.0242 0.0762 0.0719 0.0437 0.0951 0.0997 0.0411 0.0796 0.0923 0.0932 0.0958 0.1045 0.0895 0.0816 0.0882
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280 1281 1282	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1)	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1) (.2,1) (.5,1) (1,1) (2,1) (2,1) (5,1)	0.5786 0.5 0.5233 0.5 0.4580 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5 0.4680 0.4 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5642 0.4 0.5150 0.4 0.5265 0.5 0.4361 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 909 0.50 5948 0.49 5180 0.55 5596 0.48 943 0.52 973 0.52 973 0.52 973 0.52 973 0.44 5241 0.52	44 0.5797 39 0.5258 28 0.4540 06 0.4735 24 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489 57 0.5013 18 0.5422 77 0.5618 27 0.5135 41 0.4424 95 0.5257 53 0.4340	0.0841 0.0832 0.0987 0.0855 0.0914 0.0954 0.0955 0.0853 0.0876 0.1004 0.1004 0.0914 0.1031 0.0892 0.0762	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0722 0.0859 0.0422 0.0762 0.0819 0.0242 0.0762 0.0719 0.0437 0.0951 0.0997 0.0411 0.0796 0.0993 0.0932 0.0958 0.1045 0.0895 0.0816 0.0882 0.0775 0.0726 0.0771
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280 1281	(.1,1) (.2,1) (.5,1) (1,1) (2,1)	(.1,1) (.2,1) (.5,1) (1,1) (2,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,10) (1,1) (1,2) (1,1) (1,1) (1,1) (1,1) (1,1)	0.5786 0.5 0.5233 0.5 0.4580 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5 0.4680 0.4 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5642 0.4 0.5150 0.4 0.5265 0.5 0.4361 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 909 0.50 5948 0.49 5180 0.55 5596 0.48 943 0.52 973 0.52 973 0.52 973 0.52 973 0.44 5241 0.52	44 0.5797 39 0.5258 28 0.4540 06 0.4735 24 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489 57 0.5013 18 0.5422 77 0.5618 27 0.5135 41 0.4424 95 0.5257 53 0.4340	0.0841 0.0832 0.0987 0.0855 0.0914 0.0954 0.0955 0.0853 0.0876 0.1004 0.1004 0.0914 0.1031 0.0892 0.0762	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0722 0.0859 0.0422 0.0762 0.0859 0.0242 0.0762 0.0719 0.0437 0.0951 0.0997 0.0411 0.0796 0.0923 0.0932 0.0958 0.1045 0.0895 0.0816 0.0882
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280 1281 1282	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1)	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,.5) (1,10) (1,10) (1,10) (1,11) (1,2,1) (1,2,1) (1,2,1) (2,1) (2,1) (2,1) (10,1)	0.5786 0.5 0.5233 0.5 0.4560 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5 0.5302 0.5 0.5028 0.4 0.5511 0.4 0.5512 0.4 0.5150 0.4 0.5150 0.4 0.5265 0.5 0.4361 0.4 0.4681 0.4	5523 0.56 5174 0.50 5343 0.38 5889 0.47 5909 0.50 5948 0.49 5218 0.56 5180 0.55 5596 0.48 6443 0.49 6473 0.52 6737 0.49 6241 0.52 6241 0.55 6358 0.44 6453 0.50	44 0.5797 39 0.5258 28 0.4540 06 0.4735 22 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489 67 0.5013 18 0.5422 77 0.5618 27 0.5135 41 0.4424 95 0.5257 53 0.4340 25 0.4705	0.0001 0.0032 0.0007 0.0055 0.0914 0.0954 0.0545 0.0853 0.0876 0.0659 0.1004 0.0914 0.1031 0.0092 0.0765	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0750 0.0871 0.0792 0.0950 0.0859 0.0242 0.0762 0.0719 0.0437 0.0951 0.0997 0.0437 0.0951 0.0997 0.0411 0.0796 0.0923 0.0895 0.0816 0.0885 0.0775 0.0726 0.0771
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280 1281 1282 1283	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (10,1) (1,.1)	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1) (2,1) (1,1) (2,1) (1,1) (2,1) (1,1) (1,1) (1,1)	0.5786 0.5 0.5233 0.5 0.4560 0.4 0.5062 0.4 0.5165 0.4 0.5302 0.5 0.5302 0.5 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5150 0.4 0.5265 0.5 0.4465 0.4 0.5263 0.5 0.4361 0.4 0.5423 0.5	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 5948 0.49 5218 0.56 5180 0.55 5596 0.48 54943 0.49 54973 0.52 5737 0.49 521 0.52 5358 0.53 5358 0.53	44 0.5797 39 0.5258 28 0.4560 06 0.4735 24 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489 657 0.5013 18 0.5422 77 0.5618 27 0.5135 41 0.4424 95 0.5257 53 0.4340 25 0.4705	0.0001 0.0032 0.0007 0.0007 0.0005 0.0014 0.0054 0.0054 0.005 0.005 0.005 0.1004 0.1031 0.0092 0.0765 0.0765	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0722 0.0859 0.0792 0.0920 0.0859 0.0242 0.0762 0.0719 0.0437 0.0951 0.0997 0.0437 0.0951 0.0997 0.0437 0.0951 0.0997 0.0411 0.0796 0.0923 0.0932 0.0958 0.1045 0.0895 0.0816 0.0882 0.0775 0.0726 0.0771 0.0726 0.0703 0.0763
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280 1281 1282 1283	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1)	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1) (2,1) (2,1) (2,1) (3,1) (1,1) (1,1) (1,1) (1,1) (1,1)	0.5786 0.5 0.5233 0.5 0.4560 0.4 0.5062 0.4 0.5165 0.4 0.5165 0.4 0.5302 0.5 0.4680 0.4 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5150 0.4 0.5265 0.5 0.4361 0.4 0.5423 0.5 0.4344 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 5948 0.49 5218 0.56 5180 0.55 5596 0.48 54943 0.49 54943 0.59 54973 0.52 5737 0.49 5241 0.52 5358 0.54 655 0.50	44 0.5797 39 0.5258 28 0.4560 06 0.4735 22 0.5035 62 0.5170 03 0.5484 38 0.5287 09 0.4489 657 0.5013 18 0.5422 77 0.5618 27 0.5135 41 0.4426 95 0.5257 53 0.4340 25 0.4705 33 0.5412 84 0.4339	0.0001 0.0032 0.0007 0.0005 0.0016 0.0055 0.0055 0.0055 0.005 0.005 0.1006 0.1006 0.1031 0.0092 0.0762 0.0765	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0750 0.0871 0.0792 0.0950 0.0859 0.0242 0.0762 0.0719 0.0437 0.0951 0.0997 0.0437 0.0951 0.0997 0.0411 0.0796 0.0923 0.0895 0.0816 0.0885 0.0775 0.0726 0.0771
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280 1281 1282 1283	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (15,1) (10,1) (1,.1) (1,.2)	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1) (1,.1) (1,.2)	(1,.1) (1,.1) (1,.2) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1) (2,1) (2,1) (2,1) (3,1) (1,1) (1,1) (1,1) (1,1) (1,1)	0.5786 0.5 0.5233 0.5 0.4560 0.4 0.5062 0.4 0.5165 0.4 0.5165 0.4 0.5302 0.5 0.4680 0.4 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5150 0.4 0.5265 0.5 0.4461 0.4 0.5423 0.5 0.4344 0.4 0.4512 0.4	5523 0.56 5174 0.50 5343 0.38 5589 0.47 5909 0.50 5180 0.55 5596 0.48 5180 0.55 5737 0.49 5241 0.52 5737 0.49 5255 0.44 653 0.50	44 0.5797 39 0.5258 28 0.4560 06 0.4735 24 0.5035 82 0.5170 03 0.5484 38 0.5287 09 0.4489 57 0.5013 18 0.5422 77 0.5618 27 0.5135 41 0.4426 93 0.5257 53 0.4340 25 0.4705 33 0.5412 84 0.4339 48 0.4502	0.0841 0.0832 0.0867 0.0865 0.0914 0.0954 0.0845 0.0853 0.0876 0.0659 0.1004 0.0914 0.1031 0.0892 0.0762 0.0765 0.0964 0.0964 0.0964	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0750 0.0871 0.0792 0.0762 0.0719 0.0437 0.0951 0.0997 0.0893 0.0816 0.0882 0.0756 0.0763 0.0771 0.0756 0.0763
1269 1270 1271 1272 1273 1274 1275 1276 1277 4 3 2 1278 1279 1280 1281 1282 1283 1284 1285 1286	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (15,1) (10,1) (1,.1) (1,.2) (1,.5)	(.1,1) (.2,1) (.5,1) (1,1) (2,1) (5,1) (10,1) (1,.1) (1,.2) (1,.5)	(1,.1) (1,.1) (1,.2) (1,.5) (1,.5) (1,1) (1,2) (1,5) (1,10) (1,1) (2,1) (2,1) (2,1) (2,1) (1,1) (1,1) (1,1) (1,1) (1,1)	0.5786 0.5 0.5233 0.5 0.4580 0.4 0.5062 0.4 0.5165 0.4 0.5165 0.4 0.5028 0.4 0.5028 0.4 0.5511 0.4 0.5642 0.4 0.5150 0.4 0.5265 0.5 0.4465 0.4 0.5423 0.5 0.4361 0.4 0.5423 0.5 0.4364 0.4 0.4512 0.4 0.4746 0.4	5523 0.56 5174 0.50 5174 0.50 5343 0.38 5589 0.47 5909 0.55 5180 0.55 5596 0.48 5180 0.55 5737 0.49 5241 0.52 5358 0.44 5255 0.44 5255 0.46 5711 0.46	44 0.5797 39 0.5258 28 0.4560 06 0.4735 22 0.5170 03 0.5484 38 0.5287 09 0.4489 57 0.5013 18 0.5422 77 0.5618 27 0.5618 27 0.5135 41 0.4426 95 0.5257 53 0.4340 25 0.4705 33 0.5412 84 0.4339 48 0.4339	0.0841 0.0832 0.0987 0.0855 0.0914 0.0954 0.0955 0.0853 0.0876 0.1004 0.1031 0.0892 0.0762 0.0765 0.0962 0.0964 0.0984 0.0869	0.0644 0.0712 0.0712 0.0714 0.0715 0.0842 0.0721 0.0660 0.0825 0.0823 0.0673 0.0972 0.0768 0.0919 0.0877 0.0722 0.0794 0.0856 0.0763 0.0867 0.0920 0.0860 0.0870 0.0936 0.0472 0.0722 0.0552 0.0687 0.0722 0.0859 0.0792 0.0720 0.0859 0.0242 0.0762 0.0719 0.0837 0.0951 0.0997 0.0835 0.0816 0.0882 0.0755 0.0726 0.0771 0.0756 0.0726 0.0771 0.0756 0.0703 0.0763

1209	(1.5)	(1,5)	(1,5)	0.4910 0.4873 0.4616 0.4941 0.0708 0.0611 0.0749 0.0720
1290	(1,10)	(1,10)	(1,10)	0.5536 0.5369 0.5524 0.5544 0.0785 0.0695 0.0803 0.0779
1291	(1,1)	(1.1)	(.1,1)	0.2360 0.2383 0.4447 0.2333 0.0339 0.0281 0.1201 0.0355
1292			1.2.11	0.3113 0.3140 0.4770 0.3131 0.0520 0.0416 0.1199 0.0535
1295			1.5.11	0.3734 0.3696 0.3474 0.3769 0.0585 0.0500 0.0731 0.0596
12 00			(1.1)	0.4834 0.4745 0.5118 0.4801 0.0745 0.0656 0.0755 0.0740
17.96			12,11	0 5292 0 5126 0 3168 0 5320 0.0743 0.0650 0.0750 0.0739
1296			.5,11	0.5762 0.5626 0.5600 0.5789 0.0790 0.0734 0.0891 0.0788
1297			(10.1)	0.5446 0.5586 0.5097 0 5702 0.0836 0.0746 0.0787 0.0841
1298	(1.1)	(1,1)	(11)	0.5697 0.5615 0.5773 0.5672 0 0683 0.0611 0.0757 0.0684
1299			(1,.2)	0 5543 0.5468 0.5128 0.5551 0.1034 0.0947 0.0835 0.1043
1300			(1,.5)	0.4863 0.4795 0.5264 0.4867 0.0639 0.0531 0.0784 0.0645
1501			(1.1)	0.4579 0.4597 0.5006 0.4577 0.0761 0.0683 0.0856 0.0761
1302			(1,2)	0.5148 0.5039 0.4998 0.5164 0.0874 0.0755 0.1056 0.0860
1303			(1.5)	0 4719 0 4673 0 4516 0 4723 0 0877 0 0774 0 0892 0 0874
1504			(1.10)	0.4850 0.4720 0.4599 0.4850 0.0705 0.0557 0.0700 0.0717

TOTAL PLANT CONTROL OF SECURISH SECTION OF SECURISH SECUR

APPENDIX F ANOVA APPROXIMATE TEST

NUMBER OF ITERATIONS: SAMPLE DISTRIBUTION:

50 N(0,1)

	_	AMP										
CASE		IZE:		β	R	AVE:	RAGES K	A	R	VARIA F	NCES K	A
UNGE	•	•	•	F	~	•	•	-	π.	r	•	^
1305	Z	Z	Z	200			0.4696					
1306				300			0.5032					
1307 1308				400 500			0.4672		-			
1309				600			0.5045					
1310				700			0.5159					
1311				800			0.4504					
1312				900			0.4970					
1313 1314				1000			0.5470 0.5277					
1315				1200			0.5123					
1316				1300			0.4330					
1317				1400			0.4985					
1318				1500			0.4539					
1319 1320				1600 1700			0.4816		-	-		
1321				1800			0.5372					
1322				1900			0.4685					
1323				2000			0.5326					
	_	_	_		A							
1324 1325	3	5	3	200 300			0.5375					
1325				400			0.5402					
1327				500			0.5211					
1328				600			0.5263					
1329				700			0.5040	_				
1330				800			0.5487					
1331 1332				900 1000			0.5237		_			
1333				1100			0.4540					
1334				1200			0.5516					
1335				1300			0.5501					
1336				1400			0.4245					
1337				1500			0.5138					
1338 1339				1600 1700			0.4510					
1340				1800			0.5422					
1341				1900			0.5645					
1342				2000			0.4619					
	_				A 2/24	0 5400	0 24-5	0 =4=4			A 4474	0.5740
1343	•	•	•	200 300			0.5429					
1345				400			0.4994					
1346				500			0.5205					
1347				600	_		0.5639					
1348				700		-	0.5215					
1349				600			0.4478					
1350 1351				900 1000			0.4986					
1352				1100			0.5334					
1353				1200			0.4897					
1354				1300	0.5636	0.5579	0.5232	0.5632	0.0850	0.0847	0.0744	0.0845
1355				1400			0.4735					
1356				1500	0.5429	0.5424	0.5489	0.5442	0.0830	0.0820	0.0845	0.0828
								84				
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		<u></u>									<u>د د اه د</u>	<u>ئىلانىن</u>

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1600
                      0.4354 0.4373 0.4546 0.4381 0.0969 0.0956 0.0997 0.0970
1357
1358
              1700
                      0.5350 0.5335 0.5323 0.5350 0.0681 0.0690 0.0755 0.0681
                      0.4658 0.4645 0.4730 0.4658 0.0714 0.0708 0.0708 0.0708
1359
              1800
                      0.52% 0.5280 0.5384 0.52%5 0.081% 0.081% 0.0803 0.0821
1360
              1900
1361
              2000
                      0.4737 0.4752 0.4702 0.4747 0.0961 0.0963 0.0801 0.0956
                      0.5788 0.5782 0.5555 0.5793 0.0790 0.0781 0.0709 0.0790
1362 4
               200
1363
               300
                      0.4439 0.4444 0.4249 0.4471 0.1054 0.1061 0.0944 0.1063
                      0.4743 0.4735 0.4688 0.4743 0.0767 0.0761 0.0705 0.0767
1364
               400
                      0.4935 0.4898 0.4952 0.4944 0.0846 0.0859 0.0838 0.0814
1365
               500
1366
               600
                      0.5383 0.5385 0.5406 0.5404 0.0788 0.0802 0.0840 0.0794
1367
               700
                      0.5192 0.5238 0.5334 0.5201 0.0844 0.0847 0.0755 0.0839
1368
               800
                      0.4828 0.4893 0.4800 0.4835 0.0883 0.0867 0.0883 0.0885
1369
               900
                      0.5029 0.5005 0.4972 0.5023 0.0839 0.0847 0.0836 0.0826
1370
              1000
                      0.5334 0.5314 0.5477 0.5312 0.0801 0.0771 0.0766 0.0805
                      0.5365 0.5316 0.5403 0.5351 0.0796 0.0790 0.0737 0.0804
1371
              1100
1372
              1200
                      0.4634 0.4637 0.4746 0.4633 0.0730 0.0737 0.0658 0.0716
1373
              1300
                      0.5694 0.5667 0.5263 0.5683 0.0819 0.0815 0.0754 0.0819
1374
                      0.4914 0.4932 0.4771 0.4928 0.0761 0.0782 0.0743 0.0755
              1400
1375
              1500
                      0.5443 0.5447 0.5383 0.5466 0.0743 0.0736 0.0724 0.0748
1376
              1600
                      0.4690 0.4666 0.4763 0.4700 0.0904 0.0896 0.0925 0.0914
                      0.5599 0.5582 0.5611 0.5603 0.0764 0.0757 0.0813 0.0763
1377
              1700
1378
              1800
                      0.5076 0.5044 0.5014 0.5084 0.0822 0.0821 0.0734 0.0812
1379
              1900
                      0.5152 0.5156 0.5161 0.5129 0.0800 0.0797 0.0813 0.0804
1380
              2000
                      0.4785 0.4757 0.4690 0.4795 0.1028 0.1017 0.0910 0.1013
1381 4
               200
                      0.4629 0.4635 0.4594 0.4678 0.0919 0.0920 0.0788 0.0924
1382
               300
                      0.5153 0.5188 0.4840 0.5223 0.0825 0.0862 0.0677 0.0826
1383
               400
                      0.5244 0.5240 0.5083 0.5264 0.0748 0.0769 0.0755 0.0734
1384
               500
                      0.5293 0.5241 0.5178 0.5306 0.0848 0.0840 0.0858 0.0848
1385
               600
                      0.5642 0.5626 0.5504 0.5651 0.0710 0.0722 0.0723 0.0701
                      0.5329 0.5316 0.5573 0.5310 0.0827 0.0841 0.0823 0.0828
1386
               700
1387
               800
                      0.4831 0.4864 0.5013 0.4830 0.0880 0.0874 0.0905 0.0869
1388
               900
                      0.4740 0.4723 0.4849 0.4709 0.0841 0.0861 0.0946 0.0844
              1000
                      0.4449 0.4458 0.4751 0.4447 0.0763 0.0762 0.0847 0.0767
1389
1390
              1100
                      0.5097 0.5076 0.5109 0.5111 0.0687 0.0692 0.0689 0.0677
1391
                      0.5007 0.4970 0.4770 0.5028 0.0796 0.0771 0.0801 0.0808
              1200
1392
              1300
                      0.5550 0.5537 0.5576 0.5552 0.0772 0.0764 0.0768 0.0777
1393
              1400
                      0.4457 0.4440 0.4269 0.4455 0.0925 0.0926 0.0836 0.0934
              1500
                      0.5050 0.5051 0.4869 0.5053 0.0670 0.0679 0.0644 0.0656
1394
1395
              1600
                      0.5003 0.4949 0.5219 0.4991 0.0736 0.0713 0.0733 0.0735
1396
              1700
                      0.4807 0.4798 0.4907 0.4802 0.0972 0.0973 0.0960 0.0983
1397
              1800
                      0.5749 0.5761 0.5744 0.5763 0.0921 0 0897 0.0873 0.0918
                      0.4995 0.5016 0.5104 0.4990 0.0782 0.0801 0.0875 0.0783
1398
              1900
1399
              2000
                      0.5142 0.5168 0.5165 0.5137 0.0895 0.0918 0.0849 0.0896
1400 4 3 3
               200
                      0.5566 0.5599 0.5380 0.5572 0.0893 0.0908 0.0701 0.0894
1401
                      0.4677 0.4676 0.4570 0.4711 0.0982 0.0993 0.0952 0.0991
               300
1402
               400
                      0.4536 0.4544 0.4619 0.4560 0.0651 0.0676 0.0677 0.0668
1403
               500
                      0.5327 0.5331 0.5408 0.5327 0.0878 0.0887 0.0888 0.0865
                      0.5411 0.5400 0.5443 0.5452 0.0726 0.0746 0.0768 0.0733
1404
               600
1405
               700
                      0.5371 0.5410 0.5493 0.5371 0.0839 0.0843 0.0800 0.0859
1406
               800
                      0.4910 0.4989 0.4680 0.4911 0.0859 0.0825 0.0786 0.0849
1407
               900
                      0.5220 0.5203 0.5166 0.5202 0.0980 0.0992 0.0942 0.0984
1408
              1000
                      0.5126 0.5080 0.5152 0.5117 0.0856 0.0813 0.0859 0.0862
1409
              1100
                      0.5532 0.5422 0.5716 0.5527 0.0715 0.0685 0.0706 0.0710
1410
              1200
                      0.4565 0.4555 0.4773 0.4610 0.0757 0.0757 0.0629 0.0759
1411
              1300
                      0.5337 0.5341 0.5197 0.5337 0.0792 0.0773 0.0750 0.0797
              1400
1412
                      0.5039 0.5066 0.5015 0.5030 0.0839 0.0842 0.0813 0.0822
1413
              1500
                      0.5499 0.5493 0.5359 0.5494 0.0764 0.0782 0.0671 0.0756
1414
              1600
                      0.5079 0.5069 0.5007 0.5066 0.0921 0.0893 0.0852 0.0911
1415
              1700
                      0.5544 0.5524 0.5529 0.5557 0.0731 0.0747 0.0791 0.0737
                      0.5235 0.5231 0.5327 0.5261 0.0808 0.0829 0.0674 0.0817
              1800
1416
1417
              1900
                      0.5328 0.5304 0.5181 0.5350 0.0820 0.0811 0.0772 0.0821
1418
              2000
                      0.4305 0.4288 0.4390 0.4319 0.0845 0.0847 0.0851 0.0841
               200
1419 4 3 2
                      0.5407 0.5479 0.5273 0.5382 0.0853 0.0851 0.0813 0.0887
1420
               300
                      0.5112 0.5106 0.5328 0.5144 0.0720 0.0727 0.0735 0.0714
                      0.5167 0.5169 0.4893 0.5186 0.0876 0.0859 0.0838 0.0858
1421
               400
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1422	500	0.5202 0.5197 0.5251 0.5231 0.0657 0.0647 0.0679 0.0659
1423	600	0.5396 0.5443 0.5075 0.5411 0.0658 0.0874 0.0764 0.0840
1424	700	0.5033 0.5094 0.4970 0.5059 0.0750 0.0732 0.0669 0.0749
1425	800	0.4392 0.4347 0.4353 0.4389 0.0961 0.0989 0.0879 0.0958
1426	700	0.4753 0.4766 0.4634 0.4741 0.0764 0.0784 0.0731 0.0758
1427	1000	0.4477 0.4457 0.4631 0.4493 0.0866 0.0865 0.0888 0.0884
1428	1100	0.8274 0.8230 0.8300 0.8281 0.0724 0.0711 0.0668 0.0731
1429	1200	0.5902 0.5897 0.5907 0.5909 0.1023 0.1032 0.1053 0.1019
1430	1300	0.5174 0.5217 0.5170 0.5175 0.0878 0.0884 0.0855 0.0887
1431	1400	0.4495 0.4462 0.4421 0.4506 0.0864 0.0858 0.0881 0.0861
1432	1500	0.5223 0.5195 0.5062 0.5217 0.0916 0.0905 0.0809 0.0933
1433	1600	0.4952 0.4891 0.4918 0.4908 0.1116 0.1116 0.1084 0.1110
1434	1700	0.5411 0.5431 0.5276 0.5410 0.0926 0.0933 0.0898 0.0919
1435	1800	0.4385 0.4387 0.4445 0.4387 0.0875 0.0858 0.0878 0.0875
1436	1900	0.5099 0.5100 0.4984 0.5099 0.0911 0.0915 0.0932 0.0914
1437	2000	0.5598 0.5572 0.5724 0.5574 0.0668 0.0698 0.0921 0.0661

្រុំ 🔻 😙 សុខ្ទុំ ខុស្សាស្រាយ

- 2. Comp en. W. C., Trautilla, Ngrgarametri, Italyata a less form while it come. It 3...
- To Edgington, i.e. To Targunggatyun Tegsta. Har e. Cherole. To J. Carol
- 4. Pitain it in , 2, 1 、 まつ throps, 4, 1, 1, 1 ban hay set (2) (a train a fine field the fi
- 5. Edgington, E. S., Ottopithesis Testing Without F. ed Lecels of Eldnift vice. The <u>Journal of Payabolica</u>. . . . To. pp. 1 8:115, di 201 1970.
- 7. Dwass. M.. 'Modified Candomization Testa + / Noncarametric Hydritheaes. Hong, Math. Stat. . . . 20. Do. 181-197. Il Januar 1956.
- 5. Edgington, E. S., 'Approximate Mandomization Tests." The <u>Journal of Esychology</u>, v. 72. pp. 147-149, T1 Mar to logo.

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- taw. н. М. Ard Felton. И. D., <u>inclation Modeling and</u> modeling and
- Montgomer., D. J., Design and Analysis of Elseniments, Juhn Wile, & Sons, Inc., 1976.
- Mind. A. M., Brasbill, F. A., and Boes. D. C., Introduction to the Theory of Statistics, Ind. ed., McGraw-Hill, Inc., 1974.
- Winer. B. J., "Even Better than Pefore." <u>Contemporar</u>, f<u>s.cho.og.</u>, ... 19, pp. 159-159, 1917.

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